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NEW PRODUCTS FOR FUSING

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OVAL KILN GM-1414

Cat. No. 48012

The GM-1414 with its 41" x 24.5" oval shape is perfect for the glass artist who wishes to work with large panels or to have the capability of fusing multiple pieces. The deep 13.5" (353mm) chamber also allows for taller than average slump molds.

The GM-1414 comes standard with the versatile GlassMaster controller, lid and side fired elements, 8" steel stand, two viewing hole plugs, four lifting handles, and a comprehensive operating manual.



SPECIFICATIONS:

Firing Elements	Top and Side
Loading	Top
Chamber Length/Width/Depth	41.5" x 24.5" x 13.5"
.....	(1053 x 622 x 343mm)
Interior Volume	8 cu.ft.
Volts, Single Phase	240
Amps	34.7
Watts	8320
Fires to	1800°F (982°C)
Shipping Weight	305 lbs. (138kg)
Warranty	2 years on parts and labor

CLAM SHELL GM-22CS

Cat. No. 48010

The clam shell design is the premier shape for fusing and shallow slumping. It provides easy access to glass for loading and manipulating.

The top chamber of the kiln retains heat when the kiln is opened and the bottom allows room for heat to flow under the shelf for uniform heating.

The kiln holds a 20" (508mm) shelf with room enough for easy placement. The elements are hung on a refractory rod which helps extend their life and prevents particles from falling into glass. The fiber top is removable, which makes changing elements easier than any kiln on the market. Other features include a wall mounted GlassMaster controller, gas shocks, encapsulated Type K thermocouple and an 8" (203mm) reinforced stand.



SPECIFICATIONS:

Firing Elements	Top
Loading	Top
Chamber Length/Width/Depth	23.25" x 24.5" x 13.5"
.....	(590 x 622 x 343mm)
Interior Volume	4.35 cu.ft.
Volts, Single Phase	240
Amps	31
Watts	7411
Fires to	1800°F (982°C)
Shipping Weight	257 lbs. (117kg)

GP-706 KILN

Cat. No. 480001

The perfect choice for a beginning glass fusing artist/hobbyist. Simple, durable and low-priced. Operates on 115 volt AC ordinary house, current at 15 amperes with no special wiring required. Complete package consists of the 6.5" (165mm) deep, top-loading and top-fired kiln, pyrometer, infinite temperature controller switch and stand.

SPECIFICATIONS:

Firing Elements	Top
Loading	Top
Kiln Depth	6.5" (165mm)
Kiln Opening	15" (381mm)
Interior Volume	6 cu.ft.
Volts, Single Phase	115
Amps	15
Watts	1690
Fires to	1650°F (899°C)
Shipping Weight	66 lbs. (30kg)



BEAD KILN GM-10F

Cat. No. 48011

While perfect for annealing torchworked beads, this kiln is also excellent for fusing smaller projects.

Comes standard with a side-hinged door and an easy-to-operate bead door. Both doors come with wooden handles which are mounted away from the heat and allow opening without gloves.

The GlassMaster controller is also standard on this unit. The accurate and stable temperature provided by the controller is ideal for annealing. Extremely portable. Works on standard household current.

Other features include an encapsulated Type K thermocouple, built-in stand and a design that fits an 8" x 8" (203mm) shelf.

SPECIFICATIONS:

Firing Elements	Sides
Loading	Front
Chamber Length/Width/Depth	10" x 9" x 9"
.....	(253 x 228 x 228mm)
Interior Volume45 cu.ft.
Volts, Single Phase	110
Amps	15
Watts	1800
Fires to	1800°F (982°C)
Shipping Weight	82 lbs. (37kg)





SKUTT FIREBOX 8 KILN

Cat. No. 48013

A new crafter kiln with 8" x 8" x 4.25" inner chamber, digital pyrometer and infinite control switch. Digital pyrometer comes complete with type K thermocouple, table top/wall mount stand & storage case. Battery operated. The hinged lid opens 90° with a lifting handle.

Electrical Requirements:

- 115 volts, 15 amp (breaker size 20 amp), 1725 watts
- NEMA Receptacle 5-15
- Wire size - 12
- Maximum temp. 2000°F (1093°C)



FIREBOX 14 KILN

Cat. No. 480137

The perfect kiln for fusing glass tiles. The square chamber holds 1 full square foot of 4" x 4" tile. Three button controller has programming features for the beginner and the advanced artist. The FireBox 14 is top fired so it will heat each tile uniformly. It operates on standard household voltage. Its compact size makes it perfect for the fuser on the move.

Product features:

- GlassMaster LT Controller
- Element in lid
- Works on standard household current
- 8" stand
- Low Mass Type K Thermocouple
- Wood Handle
- Operating Manual
- 2 Year Warranty

SKUTT HOTSTART PRO KILN

Cat. No. 480135

The new HotStart Pro gives The ability to program and save up to five custom programs. Each program can have up to 8 segments. The HotStart Pro is the only kiln on the market with the convenient and easy to use GlassFire Mode. Also the HotStart Pro is currently the only kiln of its size to use high quality Solid State relays for added safety and durability.

- More Memory Than Ever Before!
- Now Has Ramp and Hold Programming.
- 5 Storable Programs.
- Writes 8 Segment Programs.
- Adjust Programs On The Fly.
- Still has the incredibly popular GlassFire Mode available only with a Skutt Kiln.
- Standard Household Voltage.
- Reliable Solid State Relay.
- Top Fired.
- 15" x 6-1/2" (381 x 165mm) Firing Chamber
- It's UL and ULC approved to 1650°F (898°C).
- Built to last and backed with a 2-year parts and labor warranty.



Skutt Hot Start Kilns come with a Spectrum "Odds & Evens" Glass Pack. (2 sq. ft. of System 96 Glass in four or more colors, all square cuts, always premium product.)



HOT START ACCESSORY PACKAGE

Cat. No. 480136

Consists of:

- Cat. No. 480325 - 13" (330mm) diam. Round Shelf
- Cat. No. 4807 - 4, 1" x 1" (25mm) Kiln Post
- Cat. No. 4819 - Original Primer
- Cat. No. 482202 - 1/16" (1.6mm) Shelf Paper, 24" x 24" (610mm)



LID LIFTER

GM-1414

Cat. No. 480121

A new spring assisted lid lifter for the SKUTT GM1414 Oval Kiln is now available! It is a retrofit kit for an existing kiln. The lid braces have been redesigned with a unique cam system to prevent catching. The 3 position lid prop has 2 venting positions and a lock position. The spring assist not only helps to lift the extremely heavy GM1414 lid, it also puts less stress on the lid so it will last longer.



MICROFUSION'S LA PETITE MICROWAVE KILN

Cat. No. 48841

Use your Microwave to Fuse Glass!

Fires glass quickly and easily. Place glass project on the kiln washed base of the kiln. Set the lid on and insert the entire kiln into the microwave oven. In a few minutes the project piece is fused. Cool to room temperature on a heat resistant surface. The entire process is completed in about an hour.



Use to Fire; Fusible Glass, Dichroic Jewelry, PMC Silver (Silver Art Clay), Metal Enamels and Small Ceramic Glazed Pieces.

Specifications:

- Dimensions: 3.25" H x 4.5" D
- 2.75" internal fusing platform
- Max Temperature 1650° F (898°C)
- Requires Metal Interior Microwave Oven with about 800 Watt Rating and at least 8" tall inside



MICROWAVE KILN TECHNIQUES

Cat. No. 66241

24 Pages of instructions and projects.

HOT SHOT EVENHEAT KILN

Cat. No. 48851

Designed for the beginner. Simple to operate and low priced. Operates on 115V AC house current. Draws only 15 amperes. 3-button Set-Pro Control allows eight firing segments for each firing. Accepts 13" (330mm) diam. kiln shelf (Cat. No. 480325).

SPECIFICATIONS:

Top firing elements - Top load

Chamber - 14.5" x 6"
(368 x 152mm)

Electrical - 120 volts, 12 amps S/P
1440 watts

Fires to - 1800°F (982°C)

Set-Pro - 3-button control

Shipping Weight - 70 lbs. (32kg).



OCTAGON GTS-18-9

OCTAGON GTS-23-9

OCTAGON GTS-23-13

The GTS Series features top and side firing. Precisely regulates temperature rise and fall. Gives extra power for heavy loads, tall and irregular slumps and multi-shelf firing. Comes complete with stand. Available with or without kiln control.

Model GTS-18-9 Kiln

With Rampmaster Control

Cat. No. 4886RM

SPECIFICATIONS GTS-18-9:

Chamber - 17-1/2" x 17-1/2" x 9"

Electrical - 240 volts, 27 amps, 6480 watts

Fires to - 1800°F (982°C)

Shipping Weight - 100 lbs. (46kg)

Model GTS-23-9 Kiln

With Rampmaster Control

Cat. No. 4889RM

SPECIFICATIONS GTS-23-9:

Chamber - 23-1/2" x 23-1/2" x 9" (297 x 229mm)

Electrical - 240 volts, 30 amps, 7200 watts

Fires to - 1800°F (982°C)

Shipping Wt. - 140 lbs. (64kg)



Model GTS-23-13 Kiln

With Rampmaster Control

Cat. No. 488913RM

SPECIFICATIONS GTS-23-13:

Same as GTS-23-9, except 13" deep. **Special Order.**

OVAL GTS-2541

Evenheat's GTS-2541 is the original large, oval shaped kiln that continues to lead the way in performance and design. It features the exclusive Rampmaster w/Express Mode Control, Swing View Adjustable Viewing, Wide Lid Handle and Full Stainless Jackets. Add to this the optional Dyna-Lift lid assist, viewing windows and a host of strong design details

and understand why the Evenheat GTS-2541 is favored above all others. All hot glass techniques are possible with the GTS-2541. Not only are fusing, slumping and casting possible but the GTS-2541 is known for its excellent even paint firings.



Features & Design

The GTS-2541 is equipped with the **Rampmaster w/Express Mode** controller, designed exclusively for glass work. Express Mode offers an easy, 3 step programming process. Simply key in the glass C.O.E., firing style and firing speed to create the firing program. The **Swing View Adjustable Control** is a pivoting, swing-up enclosure that allows the user to rotate the Rampmaster control to a comfortable viewing and programming angle. The **wide lid handle** is easy to operate, even with the gloved hand. **Full stainless jackets** afford a solid, life extending construction. Without leaks, shifting, buckles and weakness. **Properly sized kiln stand** is built to prevent tipping or offsetting. **With top and side fire configuration** - Top fire is essential in glass firing as it heats the glass surface uniformly. The addition of side fire provides heat to the lower portion of the kiln and to help reduce and eliminate bubbles. **Type K, responsive thermocouples** give quick response and reliable performance. Using shelves for all firings is recommended. The large size GTS-2541 (Cat. No. 48813RM) requires the use of multiple shelves to create a firing surface. (See page A7 for full size Duraboard.) Posts are recommended to bring shelves off the kiln floor. This helps to heat the shelf evenly while reducing and eliminating bubbles.

Model GTS-2541

9" Chamber Models

With Rampmaster Control

Cat. No. 4888RM

Model GTS-2541

13" Chamber Models

With Rampmaster Control

Cat. No. 48813RM

SPECIFICATIONS:

Chamber -

Cat. No. 4888RM - 25-1/2"L x 41"W x 9" D (648 x 1041 x 229mm)

Cat. No. 48813RM - 25-1/2"L x 41" W x 13" D(648 x 1041 x 330mm)

Electrical - 240 volts, 40 amps, 9600 watts

Fires to - 1800°F (982°C)

Cord Plug - NEMA 6-50P

Shipping Weight - Model 4888 280 lbs. (127 kg)

Model 48813 295 lbs. (134 kg)

Global Electrical available.



DYNA-LIFT

Cat. No. 488801 - GTS2511-9

Cat. No. 488802 - GTS2511-13

Evenheat's Dyna-Lift is a lid lift assist for large kilns. The Dyna-Lift lightens the force needed to operate the kiln lid. It does so with ease and grace and with no negative effects upon the kiln itself. Hallmarks of the design include no kiln body connection, single point

lifting, a three position lid vent and emphasis on allowing the lid to act naturally. It's easy to set up; no disassembly required.

EVENHEAT GT-4050STP KILN**Cat. No. 15187**

Favored for its rectangular shape and ability to reach temperature easily, the GT 4050 performs well in any glass situation. The GT 4050 is capable of all glass firing techniques up to 1800°F, including fusing, slumping, painting, casting and Pate de Verre. Standard Equipped with a Set-Pro, 3 button control and Swing View style design, the GT 4050 is both easy to program and easy to use.

Firing Chamber Dimensions: 19.75" wide x 15.75" long x 6.5" deep

Voltage and Phase Configurations: 240V single phase, 15A, 3600W, NEMA 6-20R

Shipping Weight: 135 lb. (61kg) Ship by truck only.

Suitability: All glass related firing up to 1800°F (982°C), such as painting, fusing, slumping, casting Pate de Verre, etc.. While it can be used for annealing purposes, there may be better choices, particularly the front loading designs. It should also be noted at this point, that the GT 4050 is designed to fire a single layer or shelf. The nature of the GT 4050 is to provide heat from the lid elements directly to the shelf containing the glass. Attempting to fire glass below the top shelf is likely to lead to frustration and disappointment. So.....one shelf only. The GT 4050 is not really designed to fire Ceramic, Porcelain, Pottery, China or other "ceramic" related materials.

**GT-4050STP KILN with POWER INTERRUPT OPTION**
Cat. No. 1518709

The GT 4050 is available with the Power Interrupt Option (a.k.a. lid switch). The Power Interrupt Option automatically removes power from all heating elements as the lid is opened and reapplies power as the lid is closed. Those wishing to enter the kiln during firing should strongly consider requesting this option as an added measure of safety. Factory installed.

KILN SHELF TO FIT EVENHEAT GT-4050STP KILN**Cat. No. 151872**

13" x 16" x 5/8"

EVENHEAT STUDIO PRO**Cat. No. 15185****Cat. No. 15186 - with Window**

Dual access design combines traditional front and top loading features into one. Accessing the firing chamber **through the front** gives wide open access directly to the kiln floor. Front access also allows for the use of manipulation tools that require a horizontal approach such as raking. Accessing the firing chamber **through the top** is excellent for venting also preferred



for loading tall pieces such as forms or when using manipulation tools that require a vertical approach such as glass embossing.

FEATURES:

- Smooth hinge action for precision and confidence.
- Disassembly not required for use (No parts to remove. Both Lid and Chamber are hinged and swing open and closed.)
- Built-in, multi-position lid vent system (TWO POSITION LID VENT handy for firing off adhesives or binders or for speeding up the cooling process. The lid vent positions the lid at approximately 1/2" and 1" (12.7 and 25mm).
- Handles of proper size and shape.
- Attached pyrometer (Attached directly to the control panel. No wires to avoid or to get tangled.)
- Suitable for all types of firing.
- Infinite control switch w/indicator light.
- Operates from a standard household outlet.
- Chamber size: 8" x 8" x 4-1/2" (203 x 203 x 114mm).
- Optional viewing window (offers a view of the entire kiln floor).
- 12 Amps, 12 Volts, 1440 Watts.

EVENHEAT STUDIO PRO W/DIGITAL PYROMETER**Cat. No. 151850**

Same revolutionary features as the original Evenheat Studio Pro Kiln, but with a DIGITAL pyrometer. The Studio Pro gives all the advantages of both front and top access in a single, dual hinged design that's smooth and precise.

**EVENHEAT STUDIO PRO W/VIEWING WINDOW & DIGITAL PYROMETER - Cat. No. 151851****EVENHEAT LIBERTY BELLE KILN****GTS-64****Cat. No. 48801**

The firing surface consists of a movable wheeled table for easy placement of glass. Table uses a firebrick surface. The GTS-64 uses a counter-balance system that makes lifting of the bell effortless using the hand-crank.

HEATING ELEMENTS

Heating elements are supported by refractory rods inserted through the coil of the element. They are then suspended throughout the chamber by refractory grommets. A total of six heating elements are used. The design allows for easy conversion between single and 3-phase (no modifications to elements needed). All heating elements are configured in parallel. This design allows the elements to be independent of each other. If an element fails during firing, the remaining elements remain operational allowing the firing to be completed. Heating elements are supported in such a way that element replacement DOES NOT require disassembly of the bell. That is, elements can be replaced easily without hassle.

TEMPERATURE CONTROL

Temperature control is accomplished using the RampMaster II digital control (pg. A6). Mercury contactors are used for quiet and reliable operations, excellent for slow ramps and extended soaks.

SPECIFICATIONS:

Inside Dimensions: 74" x 50" x 13" (Usable 72" x 48")

Maximum Temperature: 1800°F (Factory Limited)

Rampmaster II Digital Control Standard

Fiber and steel construction

Stable firebrick firing surface

Counterweighted/hand crank design for easy lifting

Electrical Availability:

208 volts, single phase, 83 amps, 17,280 watts

208 volts, 3 phase, 48 amps, 17,280 watts

Optional Electrical Availability:

240 volts, single phase, 72 amps, 17,280 watts

240 volts, 3 phase, 42 amps, 17,280 watts

Crucible Furnace (Cat. No. 48821) see page B29.

EVENHEAT CONTROLS/ACCESSORIES

EVENHEAT RAMPMASTER II DIGITAL CONTROLS

Wall mount model for kilns with manual style controls. **RAMPMASTER II FEATURES:**

- Programmable controller with 6-8 segment programs offers 55 ramp/set point/soak segments; ascending or descending for any combination of fusing, slumping, soaking, etc.
- Segments may be omitted or halted.
- 1°F - 9999°F per hour controllable ramp rate. Soak time programs range from 0 to 100 hours per segment.
- Ramp rate may be as slow as 1°/hr or as fast as 4,000°/hr
- Display indicates time remaining in soak cycle.
- Type K Thermocouple is standard equipment.
- Accurate temperature $\pm 1^\circ\text{F}$ maintained.
- Liquid metal contacts ensure silent operation.
- Wall mount panel.
- All models are SINGLE PHASE current.
- Multi-phase available by special order.
- Standard Fahrenheit scaling.
Celsius scaling is available by special order.



- Cat. No. 4917201** - 120V, 20AMP
- Cat. No. 4917301** - 240V, 20AMP
- Cat. No. 4917401** - 240V, 30AMP
- Cat. No. 4917481** - 240V, 50AMP
- Cat. No. 4917601** - 240V, 60AMP

COLLAR ACCESSORY FOR EVENHEAT STUDIO 8 KILN

Cat. No. 151815
2-1/2" (64mm) tall collar which raises the firing chamber in order to fire taller items.



SWING VIEW RETROFIT EVENHEAT

Cat. No. 15655

Allows the control panel to be viewed from an angle or horizontal. A pivoting, swing-up enclosure that allows the user to rotate the RampMaster II control to a comfortable viewing and programming angle. It's that simple. The Swing View option is available on any kiln equipped with the RampMaster II control.

VIEWING WINDOW FOR EVENHEAT KILNS

Cat. No. NSWINDOW

Allows visual inspection of glass during the firing process. Viewing glass port, 1-1/4" x 3-1/2" (23 x 90mm), replaces the peephole. Factory installed on new kiln order. Suitable for firing to 1800°F (982°C). Available only on Evenheat kiln models GTS-18-9, GTS-2541 and GTS-2541-13. Specify when ordering. (Special order only.)



ECONOMY DIGITAL PYROMETERS

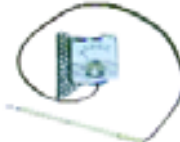
- Cat. No. 489015F** - Fahrenheit Pyrometer
- Cat. No. 489015C** - Celsius Pyrometer



Portable heat temperature measuring meters for kilns that have a detachable thermocouple. The stand places the meter at an easy to read angle. Large digital numerals show kiln temps. Available in Fahrenheit or Celsius mode. Complete with "K" type thermocouple and stand. Reads max temp. of 1742°F (950°C) for up to 15 minutes or 1562°F continuous. (Continuous use at the higher temp. will reduce the life of the thermocouple.)

ECONOMY PYROMETER

Cat. No. 48902



Pyrometer used on small kilns. Includes a thermocouple with lead wire. Dial is calibrated in Fahrenheit ranging from 0° to 2200°. Includes mounting bracket.

EVENHEAT PYROMETER

Cat. No. 4890



Separate temperature measuring device that is immediately compatible with a variety of kilns. Includes a thermocouple with lead wire, a meter with an easily readable face which registers temperature in both Centigrade and Fahrenheit. Convertible wall or kiln mount. Effective for a full range of temps. from 0° to 2500°F.

THERMOCOUPLE

Cat. No. 4811TC - TYPE K (NiCr-Ni)



Standard equipment with most pyrometers. Now offered as an accessory or a replacement for kiln controls. Furnished with a 6-1/2" (165mm) long ceramic insulated probe and two insulated conductor lead-wires. Requires use of a pyrometer to measure temperature.

KILN CONTROL for SMALL KILNS

Cat. No. 4883-65



Recommended for controlling temperatures of small kilns. Infinite control switch has OFF, LOW to HIGH setting positions. 120 volts, 60 HZ AC, 15 amp capacity with heavy duty cord, grounding plug and receptacle. Pilot light indicator. Control box measures: 5-1/8" x 4-1/8" x 3" (130 x 105 x 76mm).

VENT MASTER (Orton)

Cat. No. 49114



A new kiln venting system that utilizes Orton's patented "down-draft" technology. Simple to install and designed to fit all electric kilns. The motor is isolated away from the kiln, eliminating any vibration inside the kiln. The Vent Master is capable of venting two kilns simultaneously with the available optional expansion kit.

KILN PEEPHOLE PLUG

Cat. No. 4829



Fits most kilns. Tapered, 15/16" (24mm) to 1-3/16" (31mm) w/ finger grip.

STOPWATCH TIMER

Cat. No. 91401



Takes the guess-work out of fusing with small kilns. Small and lightweight, it may be worn as a pendant. Simply set the timer for the next fusing step and it will beep when ready. Serves as a clock or stop-watch. Magnetic strip on back for storing on the (cold) kiln. Neck cord included.

HOTLINE® SHELF PRIMERS

PRIMO PRIMER™

Cat. No. 48235 - 1-1/2 lbs.

Cat. No. 48230 - 5 lbs.

Reputed to be the best available!

Announcing a breakthrough in kiln shelf priming. Hotline Primo Primer™ fires to 1550°F (843°C) and higher. **Glass does not stick to the shelf. Primer does not stick to the glass.** It removes from shelf after firing by brushing or by wiping with a damp sponge. No more tedious and messy scraping. Packed in easy access plastic containers.



HI-FIRE SHELF PRIMER

Cat. No. 48321 - 24 oz. (680g)

Cat. No. 483215 - 5 lb.(2.27kg)

A special formulation of alumina and low-fluxing clays developed to withstand the high kiln temperatures required for raking. Contains a dye which burns off when firing. An excellent smooth finish between the glass and kiln shelf. Hi-Fire Shelf Primer is also excellent for coating mandrels for beadmaking.



ORIGINAL SHELF PRIMER

Cat. No. 4819 - 24 oz. (680g)

Cat. No. 48195 - 5 lb. (2.27kg)

A high temperature, low-fluxing clay and alumina mixture formulation which contains suspension agents and a color-coded dye that burns off at 800°F (427°C). Used according to directions, shelf primer is the best insurance that your fused work will not stick to the kiln shelf.



KILN POSTS

Mullite kiln posts are available in different sizes for maximum flexibility in kiln loading.



KILN POSTS

Cat. No.	Dimensions	
	Standard	Metric
4807	1" x 1" x 1"	25 x 25 x 25mm
4807-2	1" x 1" x 2"	25 x 25 x 51mm
4807-3	1" x 1" x 3"	25 x 25 x 76mm
4808	1" x 1" x 4"	25 x 25 x 102mm
4809-1	1-1/2" x 1-1/2" x 1"	38 x 38 x 25mm
4809-2	1-1/2" x 1-1/2" x 2"	38 x 38 x 51mm
4809-3	1-1/2" x 1-1/2" x 3"	38 x 38 x 76mm
4809	1-1/2" x 1-1/2" x 4"	38 x 38 x 102mm
4810	1-1/2" x 1-1/2" x 6"	38 x 38 x 152mm

DURABOARD

Cat. No. 48216 - 1/2" thick, 24" x 48"

Cat. No. 48217 - 1" thick, 24" x 48"

Cat. No. 482165 - 1/2" thick, 24" x 24"

Cat. No. 482175 - 1" thick, 24" x 24"

Duraboard is a rigid, high temperature board that can be used in place of a ceramic kiln shelf. It withstands temperatures up to 2300°F (1260°C). Duraboard saws easily, making it handy for fitting kiln interiors or for a drop-out mold. It contains an organic binder which burns off from 350-1000°F (177-538°C). Requires no shelf primer if used at slumping or painting temperatures under 1200°F (649°C). Use rigidizer and Primo Primer if using as a kiln shelf. Follow instructions.



TUFF-BOARD

Cat. No. 48218

24" x 36" x 1" (609 x 914 x 25mm)

Great board for an oversized kiln shelf or for making custom slumping forms. Made up of compressed vermiculite. Easy to cut and very stable and strong. Prefire to 1580°F (860°C) for min. 30 minutes before initial use. Use Primo Primer if using as a kiln shelf. Follow instructions.



HOTLINE® FOAM ROLLER ASSEMBLY

Cat. No. 48131

Makes shelf primer application easy. The foam roller smoothly and evenly coats a kiln shelf, without mess. It leaves no stray hairs, as often happens with brush application. After use it is easily cleaned. The foam roller is best used with the roller tray designed for it. Roller width: 4" x 1-3/8" diam. (102 x 35mm) 11-1/2" (292mm) long handle.

FOAM ROLLER REFILLS - 2-PACK

Cat. No. 48132

MINI ROLLER TRAY

Cat. No. 48133

The plastic tray has a well to hold the mixed shelf primer. A nubbed flat surface squeezes out excess primer as necessary. 7-1/4" x 14-3/4" x 2-1/2" (184 x 375 x 64mm)

THINFIRE™ SHELF PAPER - Bullseye

Cat. No. 48225 - 20.5" x 20.5" sheet

Cat. No. 482251 - 41" x 250' roll

Thin shelf paper for fusing. Stands up to full fusing without charring. A heat resistant, lightweight ceramic impregnated paper, which provides an excellent separation between the kiln shelf and the glass in kiln firing applications up to 1600°F. Imparts a fine matte texture to fused glass pieces. Compared to conventional kiln washes, (alumina hydrate/kaolin clay mixes), thinfire reduces shelf preparation time and improves surface release quality. Sold by the sheet or on a roll (854 sq.ft. total) .005" thick. Bullseye Glass Co.™

KILN SHELVES:

Made from cordierite, a low thermal expansion calcine type of refractory clay. Has heat tolerance of over 2150°F. Smooth and flat, will accept shelf primer to keep glass from sticking to the shelf.

Dimensions

Cat. No.	Standard	Metric	Fits Kiln(s): Catalog No. in parenthesis
SQUARE & RECTANGULAR SHELVES:			
48836KS	5-1/2" x 5-1/2" x 1/2"	140 x 12.7mm	RapidFire and Hot Box
489315	8" x 8" x 1/2"	203 x 12.7mm	Jewelry Kiln, Skutt Bead Kiln
489316	7-1/2" x 7-1/2" x 1/2"	190 x 190mm	Aim Kiln 84-J, Firebox, Studio 8
4804	12" x 12" x 5/8"	305 x 15.9mm	Miscellaneous
4806KS20	20" x 20" x 3/4"	508 x 19mm	Evenheat GT-22 (4887), GTS-22 (4891)
151872	13" x 16" x 5/8"	330 x 406 x 16mm	Evenheat GT-4050STP
ROUND SHELVES:			
48031	12" diameter x 5/8"	305 x 15.9mm	Evenheat GT14-6 (4885)
480325	13" diameter	330mm	Skutt GP706 Kiln (480001)
48052	15" diameter x 5/8"	381 x 15.9mm	Evenheat GTS18-9 (4886)
48034	20" diameter	508mm	Evenheat GTS 23-9 (4889)
HALF-ROUND SHELF:			
48062	18" x 21" x 3/4"	457 x 533 x 19mm	Evenheat/Skutt Kilns (25 x 41")

HOTLINE® FIBER BLANKET

SHEET: Cat. No. 48510 - 1/2" (12.7mm) thick; 20" x 24" (508 x 609mm)
 Cat. No. 48511 - 1" (25mm) thick; 20" x 24" (508 x 609mm)
ROLL: Cat. No. 48512 - 1/2" (12.7mm) thick; 24" x 25' (609mm x 762cm)
 Cat. No. 48513 - 1" (25mm) thick; 24" x 25 ft. (609mm x 762cm)
 Refractory, flexible needled blanket similar to Moist Pack without the heat setting rigidizer. Does not contain asbestos. May be used with Cat. No. 4850 (Fiber Mold Hardener). Available in 1/2" (12.7mm) and 1" (25mm) thicknesses, which bake down to 1/4" (6.4mm) and 1/2" (12.7mm) respectively.

FIBER SHELF PAPER

A lightweight refractory material processed from high purity alumina-silica fibers. Withstands temperatures up to 2300°F (1260°C). Contains an organic binder which burns off at 1250°F (677°C). **During burn-off the kiln and studio must be well ventilated.** These refractory fiber papers when heated above 1800°F (982°C) transform to Cristobalite, a form of crystalline silica, which may cause lung injury. Does not contain asbestos.

HOTLINE®

SHEET: 24 x 24" (610 x 610mm)	ROLL: 24" wide (610mm)
Cat. No. 4822- 1/8" thick (3mm)	482201- 1/8" x 100 ft. - 200 sq.ft. 3" x 30.5m - 18.6m ²
Cat. No. 482202- 1/16" thick (1.6mm)	482202R- 1/16" thick x 200 ft. - 400 sq.ft. 1.6mm x 61m - 37m ²
Cat. No. 4822132- 1/32" thick (.8mm)	4822132R- 1/32" x 160 ft. - 320 sq.ft. .8mm x 48.8m - 29.7m ²

HOTLINE® MOIST PACK

Cat. No. 4821 - 1/4" thick (6.4mm); 20" x 24" (508 x 609mm) sheet
 Cat. No. 48215 - 1/2" thick (12.7mm); 20" x 24" (508 x 609mm) sheet

A refractory fiber with a heat setting rigidizer. Specifically designed for formation over existing shapes. Freezing affects this product. During the cold season (late November through March 31), order Cat. No. 48510-13 (Fiber Blanket) & 4850/4850G (Fiber Mold Hardener).

HOTLINE® HOTLINE MOLD MIX 910

Cat. No. 154022
 50 lb. carton. The strongest mold mix available for glass casting. The choice for casting large pieces or configurations that will place significant stress on the mold material. Excellent for openface casting, pate de verre or slumping. Addition of a face coat is not necessary. The plaster rich formulation, when properly mixed with water, flows into the tiniest crevasses, transforms into gypsum and a hard set. A face coat is naturally formed during the process.

GLASS-CAST 102 MOLD MIX

Cat. No. 154023
 An economical, all-purpose mold material for kiln/casting slumping of glass. It contains very fine particles, providing a smooth surface. It has sufficient strength for most glass castings of small and medium size. It is the investment of choice for open-face molds and small molds using the lost wax process. 50 lb. carton.

CASTALOT MOLD MIX

Cat. No. 15420

25 lb. bag (11.3 kg)

Fast setting mold material for glass slumping, fusing or kiln casting applications. Carvable wet or dry. Refirable, up to 10 full fuse pieces from a single mold. Slumps 50 or more pieces with excellent surface quality. Simple and easy to use. Water to Powder ratio 28/100. Pour time 10 min.

Set time 16 min. Fired strength 160 psi. 80 lb. (22.7 kg) carton.



LUMINAR MOLD MIX 6

Cat. No. 4855 - 1 quart (32 oz.)

Cat. No. 485501 - 1 gallon (128 oz.)

Refractory molding compound designed to allow replication of 3-D objects in glass. Apply the paste to the pattern and allow to harden. Resolves the finest details. Stays sufficiently pliable to permit easy removal after annealing. Gives fired work a high quality haze-free surface. Temperature limit: 2300°F (1260°C).



HYDROCAL

Cat. No. 15401 - 25 lbs. (11.4 kg)

Hydrocal white is harder than the usual casting plaster. Excellent for casting and sculpting. It also serves well for molds or models. For parting molds, a parting agent (separator) must be used. Hydrocal is an indoor material and not to be used outdoors. Must be stored in a dry atmosphere to avoid absorbing moisture. A 4.5kg mixture requires 2040 - 2077 ml of water (10 lb mix to 69 - 77 fl. oz. of water).

Setting time — 25 to 35 minutes

Expansion — At final setting, 0.390% maximum

Compression strength — 5000 Psi



HYDROPERM

Cat. No. 154013 - 25 lb. carton.

Excellent for casting and sculpting. Used to produce permeable plaster molds for glass, ferrous metals and alloys. Does not require a coating of kiln wash so the glass will capture fine details. It may be used in conjunction with all types of forms, including metal.



SILICA (200 mesh)

Cat. No. 154015 - 5 lbs.

Ultra-fine additive to give strength to plaster casting molds. Various references report adding 20-40% silica to hydrocal increases temperature range and durability of the casting mold. Common plaster has a maximum temperature range of 1300°F. Adding silica increases the safe range to 1450°F, the typical casting temperature. Pre-mix dry with hydrocal before sifting into water.



FIBER MOLD HARDENER

Cat. No. 4850 - 1 qt., 20 per carton
 Cat. No. 4850G - 1 gallon



Designed to harden fiber paper mold constructions. Apply to the fiber mold with a brush and cure at 175°F until surface is hard. Mold surface can be sanded to a smooth finish. Repeat the process, and the mold will be ready for firing to 1300°F (704°C).



HOTLINE FIBER RIGIDIZER HARDENER

Cat. No. 485405
 32 oz. (946ml) A high concentration, large particle size alumina sol for superior rigidizing of refractory fiber shapes or boards. Larger particle size and low viscosity absorbs rapidly and deeply for thorough rigidizing, even of thick shapes of two or more inches. It has less tendency to migrate to the surface when drying, resulting in a more uniform product. Completely cristobalite free at use temperatures below 2200°F. Water soluble. Thin if desired. Dry at 250°F (121°C) or above to obtain Thermal Set.



COLLOIDAL SILICA RIGIDIZER/HARDENER

Cat. No. 48501 - 32 oz. (907g)
 Cat. No. 48502 - Gallon (3.6L)



A compound used with fiber paper/blankets in mold making. Soak the blanket and mold the shape. Product is cured by forced heat drying, not to exceed 1300°F (704°C), to remove the moisture in the inorganic binder. Rigidized mold should withstand several firings. Affected by freezing, may not be shipped from November thru March.

ALUMINA RIGIDIZER HARDENER

Cat. No. 485401 - 32 oz. (946ml) container
 Alumina liquid for hardening and increasing the refractory properties of alumina and alumina-silicate fiber products. Ceramic papers/blankets can also be rigidized with this liquid. Application: brush, roll, dip or spray. May be water-diluted. Non-flammable. After application, water is removed to make a bond which stiffens the fibrous material. Suitable up to 3000°F (2650°C). A sprayed thin coat covers approximately 25 sq. ft. (2.3 m²) up to 1/16" (1.6mm) thick.



KILN REPAIR CEMENT

Cat. No. 15654 - 8 oz. jar (236 ml)
 From Evenheat, a high temperature refractor cement used for repairing cracked or broken kiln bricks, filling cracks, etc. Also useful for preventing dust on kiln lid surfaces from falling into the kiln. For application, dilute the cement with water and apply with a brush.



MOLDMAKING FIREBRICK (SOFT BRICK)

Cat. No. 4832 - 9" x 4-1/2" x 2-1/2"
 (229 x 114 x 64mm) Porous refractory brick for insulating kilns. Can be carved with a file, knife or coarse sandpaper. If coated with shelf primer, soft brick may be used for molds. Temperature limit is 2300°F (1260°C).



HARD FIRE BRICK - Cat. No. 48340

Dense fire brick weighing 3-3/4 lbs. (1200g). Useful for damming thick fused slabs. Service temp. 2200°F (1204°C). 9" x 4-1/2" x 1-1/4" (229 x 114 x 32mm).



BULLSEYE HOT DAMZ™

Cat. No. 15405 - 6" x 2" x 1/2" (152 x 51 x 13mm)

Cat. No. 15406 - 8" x 2" x 1/2" (203 x 51 x 13mm)

Cat. No. 15407 - 10" x 2" x 1/2" (254 x 51 x 13mm)

Mullite clay Damz are used to contain thick fused slabs when creating multi-layered imagery in thick formed blocks. Three sizes (6", 8" and 10") may be combined for any size slab. See above Hard Fire Brick, Cat. No. 48340.



KAISER LEE BOARD

Cat. No. 48219 - 24" x 26" x 1"
 (610 x 660 x 25mm) Truck or Will Call only.

Cat. No. 482195 - 12" x 12" x 1" (305 x 25mm)

Create drape, slump and casting molds with Kaiser Lee Board. Cut the thick board to any free formed shape to make custom molds. It does not absorb heat like other mold materials or kiln shelves. Will not interfere with the heating and subsequent cooling process of your project, ensuring even heat distribution and less stress on the glass. No mixing, pre-firing or secondary materials required.



26" BENT DUAL COMBING RAKE

Cat. No. 15348



26" BENT COMBING RAKE

Cat. No. 15347



14" BENT COMBING RAKE

Cat. No. 15346



HOT GLASS MANIPULATOR AND KILN HOOK

Cat. No. 4964

Handy tool for working with hot glass and Rapid Firing Kilns. These copper rods have a hooked end and a 90° angle bend for raking and pulling hot glass to create interesting shapes and effects while the glass is still molten. Package of three manipulators.





HOTLINE® SPRAY "A" OVER-GLAZE

Cat. No. 482405 - 8 oz. (236 ml)

Reformulated - Lead free. The original popular Spray A has been reformulated and is now 100% lead-free. It is a clear, low melting glass, ground to micron size and suspended in a medium, suitable for brush or spray application. Spray A may be applied to fusing projects when ready for firing to prevent devitrification on the glass surface, or as an overglaze for dull or matte surfaces, or even previously devitrified surfaces. Fire to minimum 1300°F (704°C).



BORON NITRIDE SPRAY

Cat. No. 489450

Boron Nitride Spray Coating is a high temperature release agent and lubricant which prevents metallic objects from sticking to glass. The handy aerosol container affords easy and smooth application. Air or oven dry. Removes easily after use. ORM-D.



SQUEEGEE OIL

Cat. No. 48251 - 8 oz. (236 ml)

A medium used when applying enamels and fine frits. It acts as an adhesive and burns off at relatively low temperatures without leaving hot carbon deposits. ORM-D



FUSEMASTER SUPER SPRAY

Cat. No. 4827 - 8 oz. (236 ml) bottle

Cat. No. 4827Q - 32 oz. (946 ml) bottle

Prevents surface devitrification on kiln fired glass. Ultra low melting glass suspended in a solution compatible with most glasses. 99% lead-free. Has been proven safe for food-bearing surfaces. Can be used on dichroic or iridized surfaces. Spray will not discolor reds, oranges or other sensitive colors.



BENDING GLAZE

Cat. No. 4847 - 4 oz. (118 ml)

Designed to mature at 1100°F (593°C). This overglaze can be brushed or sprayed directly onto the surface or ground edges of a piece of glass to prevent devitrification during the slumping cycle. Ideal for single layer bending such as bent lamp panels. **Not safe for food bearing surfaces.**



HOTLINE® MOLD-EZ

Cat. No. 48232

MOLD-EZ is a Casting Mold Primer. It serves as a buffer between the glass and mold, custom or commercially available. Does not stick to glass after firing. Once applied, molds may be used again without an additional coating. Contents net weight: 15 gms. Add water to make 11.8 oz. (349 ml).



BACK MAGIC

Cat. No. 48471 - 4 oz. (118 ml)

Adds a slight gloss and smooth texture to the back side of fused or slumped glass, as a secondary operation. It matures, well below a slumping temperature at 375°F (524°C). The back side is fired without affecting the previously fired front surface. Does not eliminate the need for shelf primer on the kiln shelf, nor will it eliminate textures. Hold time is 5 minutes.



HOTLINE®

PATE-DE-VERRE & FUSERS GLUE

Reformulated Cat. No. 48753

Holds stringers, fractures and glass layers together while assembling for fusing. Burns off clean without residue. Ready mixed 1 liter (32 fl. oz.) bottle.



HOTLINE® PATE-DE-VERRE & FUSERS GLUE

Cat. No. 48752

For holding glass layers, stringers and fractures in place while assembling for fusing. Also for frit casting on vertical walls. Will not leave carbon spot residue. Slow setting. Will not repel Spray "A". 4 fluid ounces (118ml). 50 per carton.



NO DAYS GLASS FUSING ADHESIVE



Cat. No. 9003919 - 50 pack

Cat. No. 9003920 - 100 pack

Cat. No. 9003921 - 250 pack

Set up and fire glass more quickly. Prevents glass movement between layers before firing in your kiln. Adhesive squares are a new quick-curing easy-to-use method designed for setting up glass layers before fusing glass together in a kiln. Can be quickly installed to prevent movement in glass layers when handling designs before placing in the kiln. Leaves no residue after fusing. Just apply with a standard heat gun or embossing heat tool. 1" x 1" squares.



HOTLINE® WASH-AWAY

Cat. No. 522010 - 8 oz. (236 ml)

Easily removes baked-on shelf primer (kiln-wash) from the bottom of fused projects, like black glass, hot colors and opalescent glass. Apply without dilution to the baked-on primer and then lightly scrub with a plastic scouring pad. This should remove even the most stubbornly adhered primer.

DRAW ON GLASS WITH FRIT

FRITZ-SPRITZ™

Cat. No. 582615 - 8 oz. (227g)

Cat. No. 582616 - 16 oz. (473ml)

A ready mixed medium to be used with frit powders, enamels and other decorative powders for creating imagery on glass. Fritz-Spritz is a water soluble liquid gel, which is generally mixed one-to-one with powdered frit. It may be applied by writing or drawing, when put into a squeezable applicator bottle or cake decorator. It air dries so that further decorating may be done with frit or powders before firing. Water soluble. Contains no hazardous materials. Supplied in a wide mouth jar for easy access. (Use with Fine Line Applicator Bottles, Cat. No. 7420-AB, pg. A41.)



FRITOGRAPHY DVD

Cat. No. 62401

Featuring Michael Dupille. This new DVD has popularized the technique of using frit powder for drawing on glass. Using a glass medium, the powdered frit or enamels are mixed into a gel for application. The gel is placed into a squeeze

bottle or cake decorator. Anything that can be drawn, whether words, geometric patterns or random lines, can be fused into glass. The drawn lines, using the medium as supplied will be raised on the glass. However by water thinning the medium will permit the floating of colors.



CMC GUM

Cat. No. 48261

Fine grade 1 lb. (453g). Has many uses as seen in Michael Dupille's DVD, "Fritography" (Cat. No. 62401).



LIQUID STRINGER MEDIUM

Cat. No. 48275 - 8 fl. oz. (237ml)

Liquid Stringer Medium is a gel that can be mixed with powdered frits or enamels so they can be applied with a squeeze

bottle or cake decorator. When mixed to the proper consistency, lines will have the round dimensional quality of a glass stringer. Mixing thinner will allow you to float areas of color. Easy to use. Burns out clean when fired.



MURRINI MAKER

Cat. No. 15965

A simple ceramic tool which allows you to create seven fused murrini blanks at one time. Noodles and stringers are stacked in the slots and put in a kiln for fusing. The resultant murrini pattern blanks are ready for slicing into mosaic chips, etc., or they

may be pulled to create variegated stringers. Ceramic block with seven channels are 7.5mm deep. Widths are 6, 8, 10, and 12mm. Overall size 6-1/4" x 6-1/8" x 3/4", (159 x 156 x 19mm).



HOTLINE STRESS TESTER

(replaces Cat. No. 4813 Stressometer)

Cat. No. 481399

The Hotline Stress Tester used properly will assure compatible glasses. To observe stress, place the fused glass test strip over the Polaroid Filter. Hold the second Polaroid Filter closely over the fused strip sandwiching the glass between the filters. Rotate the Filter until the maximum light blockage occurs. At this point a halo or flare will appear if excess stress is present. The halo will not appear if stress does not exist. The Stress Tester is best used with a Battery lantern commonly available from a hardware store. However it may be used with any light source.



SPRAY GUN SET

Cat. No. 4814

Cat. No. 4814HR - Replacement Hose

The Badger Spray Gun is an easy-to-use, single action, external mix gun. Used for applying Spray "A" Overglaze to the glass surface before firing. It can also be used for spraying fine enamels. Adjust

to spray patterns from 3/4" (19mm) to 2" (51mm) by turning the adjustable metal point tip. With proper care and cleaning, the Badger Spray Gun will provide years of trouble-free service. **(Wear approved respiratory mask when spraying chemicals.)**

BADGER DUAL-PURPOSE SPRAY GUN KIT

Cat. No. 48141

A useful tool for spraying viscous fluid mixtures or for light abrasive etching. An easy way to apply shelf primer on fusing shelves or Mold Armor (Cat. No. 4894) on stainless steel molds. Nozzle has a wide orifice for abrasives and other heavy fluids. ORMD **(Wear approved respiratory mask when spraying chemicals or abrasives.)**

KIT INCLUDES:

- ❖ Spray Gun (4 oz. capacity)
- ❖ Air Hose
- ❖ Face mask
- ❖ Propel Compressed Air Canister (9 oz. net weight)
- ❖ Aluminum Oxide abrasive (12 oz.)



PROPEL

Cat. No. 4814A - 15 oz. (425g)

Propel is Badger's own superior brand of propellant. Compounded for more even pressure, this formula lasts longer than previous conventional propellants. ORMD



ORIFICE CLEANER

Cat. No. 4982GPC

Fine rigid point (.008") excellent for cleaning clogged spray orifices.



TIRE ADAPTER

Cat. No. 4814TVA

A spare tire from the family car can be used as a power source. Insert the adapter into the propel regulator valve (50-200) and attach to the spare tire. **NOTE:** Tire must be on a rim. Inflate to 40 lbs. of air pressure.



TURN TABLE

Cat. No. 486720

Stable, formica covered particle board turn table. Handy when doing a spray application of primer to molds. Heavy duty. 8" (203mm) diameter. Illustrates a spray application on a mold (not supplied.)



HIGH TEMP STAMEN WIRE

Cat. No. 450424
24 gauge wire
.020" (0.5mm) diameter, 10 ft. (3m) long.



HIGH TEMP WIRE

Cat. No. 450417
General purpose wire remains strong in extreme heat of kiln firings and withstands high temperatures for long periods. .041" (1.04mm) diameter, 10 ft. (3m) long. 19 gauge wire.



FABRICUT 100 GRIT

Cat. No. 4817
9" x 11" sheets (229 x 279mm). Carbide impregnated cloth with an open weave that is superior to sand paper for removing shelf primer from kiln shelves. Fabricut's open weave does not clog, making it more cost effective than sandpaper in studio or production use.



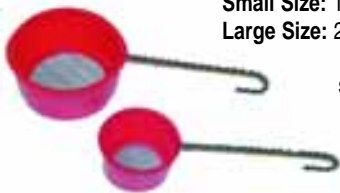
HAIK BRUSH

Cat. No. 4818 - 3" (60mm) wide.
Careful application is necessary for the effectiveness of shelf primer. Confirmed by quality tests, the Haik Brush from China is excellent for applying slow, even and continuous strokes to molds and shelves.



MINI POWDER SIFT-A-LINE

Cat. No. 484401 - 1/16" (1.6mm)
Cat. No. 484402 - 1/32" (.8mm)
A handy tool for applying a fine line of powder on glass. Sliding a metal object over the corrugated handle eliminates having to shake the powder to apply. Two sizes available. [See page A32 for Powder Vibe power applicator.](#)



POWDER SIFTER

Cat. No. 48440 - Set of two sizes.
Small Size: 1-1/4" (32mm) diameter cup
Large Size: 2-1/8" (54mm) diameter cup
Lightweight plastic cup sifter. 60 mesh screen bottom. Removable metal handle. Specially designed for applying powders over a stencil or other masking objects such as leaves, ferns, twigs, etc.



GLASS CRUSHER

Cat. No. 1534
Heavy-duty mortar and pestle for crushing glass. Crushes glass rods, cullet, etc., to make frit and chips for all forms of Hot Glass work. Ideal for crushing glass for Pate-de-Verre and casting.

All steel pestle bowl measures 2-3/4" (70mm) diameter x 3-1/2" (89mm) deep. Mortar fits bowl and has a 7" (178mm) handle. Mortar is a snug fit in the pestle bowl.

HOTNot™ HEAT RESISTANT GLOVES

Cat. No. 48163
Work around hot kilns, furnaces and torches without burning fingers and hands. Constantly handle materials 500°F (260°C) or less and intermittently handle materials up to 700°F (371°C). Not recommended for constant handling above 700°F. Glove withstands accidental contact with flame or solid hot objects up to 2000°F (1093°C). For use on hot solid surfaces only. Machine washable and dryable 100% Nomex®IIIA. Comfortable, flexible and breathable. One size fits all. Seamless stretch knit.



ZETEX PLUS GLOVES

Cat. No. 48162
Improved quality to better handle the rigors of fusing. Made with highly texturized silica (glass) based yarns. Recommended temperature range of protection; 1500° - 2000°F (815° to 1093°C) direct heat. Wool-lined.



TERRY GLOVES

Cat. No. 4816T
Heavy-duty and comfortable to wear, these gloves are reversible. Gloves fit either hand and have a knit wristband. Unisex size.



HOTNot™ ARM PROTECTOR

Cat. No. 48166
Work around hot kilns, furnaces and torches without burning hands and arms. For use on hot solid surfaces only. Machine washable and dryable Nomex®IIIA. Comfortable, flexible and breathable cotton terry lining.



BLACK KEVLAR SLEEVE

Cat. No. 48167
Work around hot kilns, furnaces and torches without burning hands and arms. For use on hot solid surfaces only. Machine washable and dryable. Comfortable, flexible and breathable cotton terry lining.



ARM PROTECTOR SLEEVES

Cat. No. 48165
Sleeve protects the arm from wrist to above the elbow from intense heat when opening a kiln or crucible furnace. 18" (457mm) long with ample arm space. Fitted with elastic cuff. Aluminized surface.





48631
Sushi Plate



48632
Sushi Plate



486401
ABC Plate



486403
Serving Tray



4864036
Large Shell



486404
Square Platter



486405, 486406, 486407
Rim Molds



486408
Rim Platter



486409, 486410
Rim Octagonal Dishes



486411
Rim Pasta Plate



486412
Rim Platter



486419
Devilled Egg Tray



486420
Triangle Platter



486421
Parted Server



486422
Relish Dish



486501
Tray w/Handles



486502
Hexagon Plate



486503
Ruffled 3 Section Plate



486507
Ruffled Sushi Plate



486508
Small Rectangle



486510
Shell
5.25" x 4.63"



486513
3 Section Swoop



486514
4 Section Swoop



486801, 486802, 486803,
486804, 486807, 486810, 486901
Curved Plates



486805, 486806
Square Plates



486811, 486812, 486813
Square Platters



486814
10" x 18" x 5/8" deep
(250 x 450 x 15mm)
Convex Dish



486815
10" x 18" x 5/8" deep
(250 x 450 x 15mm)
Concave Dish



486818
15" x 7" x 3/4" deep
(381 x 178 x 19mm)
Rectangular Slumper



487101
Fluted Plate

Cat. No.	Description	Dimensions	Metric
48631	Sushi Plate	13.2"	335mm
48632	Sushi Plate	12"	305mm
486401	ABC Plate	8"	203mm
486403	Sm. Serving Tray	12" x 6-1/2"	305 x 165mm
4864036	Lg. Shell	9-1/4" x 12-1/2"	235 x 318mm
486404	Lg. Platter	18-1/2"	463mm
486405	Rim Mold	16"	406mm
486406	Rim Mold	8"	208mm
486407	Rim Mold	12"	305mm
486408	Rim Platter	15-5/8" x 18"	397 x 457mm
486409	Rim Octagonal Platter	11"	279mm
486410	Octagonal Dish	8-1/2"	216mm
486411	Rim Pasta Plate	12-1/4"	311mm
486412	Rim Platter	16"	406mm
487419	Devilled Egg Tray	13-1/2"	343mm
486420	Triangle Platter	15"	381mm
486421	Parted Server	9-1/2"	241mm
486422	Relish Dish	14-1/4" x 9-3/4"	362 x 247mm
486501	Tray w/Handles	14-1/2" x 1-1/4"	368 x 32mm
486502	Hexagon Plate	6" x 1/2"	152 x 13mm
486503	Ruffles 3 Section Plate	12-1/2" x 6-1/2" x 1/2"	318 x 165 x 13mm
486507	Ruffled Sushi Plate	6-3/4"	171mm
486508	Small Rectangle	6-7/8" x 3-3/4"	175 x 95mm
486510	Shell	5-1/4" x 4.63"	133 x 118mm
486513	3 Section Swoop	15" x 5" x 1/2"	381 x 127 x 13mm
486514	4 Section Swoop	7.63" sq. x 1/2"	194 x 13mm
486801	Square Slumper	3-1/2" x 1/2"	89 x 6mm
486802	Square Slumper	5-3/8" x 1"	136 x 25mm
486803	Square Slumper	8-7/8" x 5/8"	225 x 16mm
486804	Square Slumper	12-1/4" x 1-1/2"	311 x 38mm
486805	Square Plate	3-3/8" x 1/2"	86mm x 6mm
486806	Square Plate	5-1/2" x 3/4"	140 x 19mm
486807	Curved Plate	16-1/2 x 12-7/8" x 2"	419 x 327 x 51mm
486810	Square Slumper	10-1/2" x 10-1/2" x 2"	267 x 267 x 51mm
486811	Square Platter	9-7/8" x 9-7/8"	251 x 251mm
486812	Square Platter	12-3/8" x 12-3/8"	314 x 314mm
486813	Square Platter	15" x 15"	381 x 38mm
486814	Convex Dish Mold	10" x 18" x 5/8"	250 x 450 x 15mm
486815	Concave Dish Mold	10" x 18" x 5/8"	250 x 450 x 15mm
486818	Rectangular Slumper	15" x 7" x 3/4"	381 x 178 x 19mm
487101	Fluted Plate	9-1/2" diam.	241mm



487103
Victorian Plate



487104
Sunburst



487105
Large Oval Tray



487106
Heavy Ripple Plate



487107
Square Slump Plate



487110, 487111
Slump Plate



487120
Bubble Frame



487121
Square Plate



487122
Swirl



487124
Small Sunburst



487125
Oval Shell



487130
Deep Sunburst



487138
Platter



487175
Square Plate



487183, 486809
Square Plate



4872129
Shell Plate



48723
Plate



48725
Square Plate



48727
Deep Plate Mold



487597
Platter



487763
Sushi Tray



487764
Rectangular Slump



487765
Square Slump



487766
Square Slump



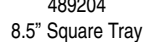
487803
Rimmed Tray Mold



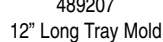
489203
10" Square Tray



489206
10" Long Tray Mold



489204
8.5" Square Tray



489207
12" Long Tray Mold



489208
Square Tray

Cat. No.	Description	Dimensions	Metric
487103	Victorian Plate	10" diam.	254mm
487104	Sunburst	10-3/4" diam.	273mm
487105	Large Oval Tray	14" x 10" x 1-1/4" deep	356 x 254 x 32mm
487106	Heavy Ripple Plate	11-1/2" diam.	292mm
487107	Sq. Slump Plate	11" x 11"	279 x 279mm
487110	Slump Plate	10" diam.	254mm
487111	Slump Plate	11" diam.	279mm
487120	Bubble Frame	9-1/2" diam.	241mm
487121	Square Plate	11" (7-5/8" x 11/16" center)	279mm
487122	Swirl	10" diam.	254mm
487124	Small Sunburst	5-1/2" diam.	140mm
487125	Oval Shell	6" x 8"	152 x 208mm
487130	Deep Sunburst	6-1/2" diam.	165mm
487138	Platter	12" x 18"	305 x 457mm
487175	Square Plate	8" x 1/2" deep	203 x 6mm
487183	Square Plate	13" x 1" deep	330mm x 25mm
4872129	Shell Plate	14"	356mm
48723	Plate	14-1/8" x 1-7/8"	359 x 48mm
48725	Square Plate	13-3/4" x 5/8" x 1-1/2" lip	349 x 16 x 38mm
48727	Deep Plate	1-5/8" deep x 11-1/2" diam	41 x 292mm
487597	Platter	16-1/2" diam.	419mm
487763	Sushi Tray	5-1/2" x 11-1/2"	140 x 292mm
487764	Rectangular Slump	10" x 7-5/8"	254 x 194mm
487765	Square Slump	8"	203mm
487766	Square Slump	10"	254mm
487803	Rimmed Tray	12-1/2" x 6-1/2"	254 x 194mm
489203	Square Tray	10"	254mm
489204	Square Tray	8-1/2"	209mm
489206	Rectangular Tray	10" x 4"	254 x 102mm
489207	Rectangular Tray	12" x 4-1/2"	305 x 114mm
489208	Square Tray	12"	305mm

See page F11-F12 for Gallery Display Stands.



46302
Shallow Bowl



46303
Bowl w/ Lip



46304
Bowl w/Lip



46305
Shallow Dish w/Lip



46306
Bowl w/Lip



48158
Shallow Bowl



483159
Round Bowl



482691
Round Bowl



48332
Round Bowl



48601
Ripple Bowl



486141
Round Bowl



48662
Square Bowl Slump



48721
Textured Bowl



48726
Round Bowl



486413
Big Bowl



486415
Coupe Serving Bowl



486416
Rim Salad Bowl



486417
Rim Cereal Bowl



486418
Wavy Bowl



486423
Square Rim



486490
Candy Dish



486504
Octagon Bowl



486505
Ruffled Bowl



486506
Deep Bowl



DRAPE MOLDS



487102
Plain Bowl



487108
Drape



487109
Plain Bowl



486808
Lamp Bender



487100
Fish Plate



48722
Ripple Bowl



48724, 487241
Drapery Cone



487758
Mini Floral Former



Use with shelf paper
instead of shelf primer.

BOWL MOLDS			
46302	Shallow Bowl	5" x 1"	129 x 25mm
46303	Bowl w/ Lip	5" x 1-5/8"	129 x 41mm
46304	Bowl w/Lip	5" x 1-1/4"	129 x 32mm
46305	Shallow Dish w/Lip	5" x 1/4"	129 x 6mm
46306	Bowl w/Lip	5" x 3/4"	129 x 19mm
48158	Shallow Bowl	7-3/4" x 1-1/8"	146 x 28mm
483159	Round Bowl	7-1/4" x 7/8"	184 x 22mm
482691	Round Bowl	9" diam. x 1-1/2" deep	229 x 37mm
48332	Round Bowl	15" x 4"	381 x 102mm
48601	Ripple Bowl	11-1/2" x 2-3/8"	311 x 60mm
486141	Round Bowl	9" x 2-1/8"	228 x 54mm
48662	Square Bowl Slump	8-1/2" square x 2" deep	216 x 51mm
48721	Textured Bowl	14" x 1-3/4"	356 x 44mm
48726	Round Bowl	14-1/2" x 9" x 2-1/2" lip	368 x 229 x 63mm
486413	Big Bowl	14-3/8 x 6"	365 x 152mm
486415	Coupe Serving Bowl	12-1/2 x 5"	318 x 129mm
486416	Rim Salad Bowl	11 x 2-3/4"	279 x 70mm
486417	Rim Cereal Bowl	8-1/2 x 2-1/2"	216 x 64mm
486418	Wavy Bowl	7" x 5" x 2"	178 x 127 x 51mm
486423	Square Rim	8"	203mm
486490	Candy Dish	7" x 7" x 1.38"	177 x 177 x 35mm
486504	Octagon Bowl	8-1/4" x 1.38"	210 x 35mm
486505	Ruffled Bowl	4-3/4" x 1-1/4"	121 x 32mm
486506	Deep Bowl	11-1/4" x 2-1/2"	286 x 64mm
DRAPE MOLDS			
486808	Lamp Bender	8-7/8" wide, 4-3/8" high	266mm
487100	Drape Fish Plate	8" wide x 10" long	203 x 266mm
487102	Plain Drape Bowl	11" x 14" diam. x 2-7/8" deep	279 x 356 x 73mm
487108	Drape	11" diam.	279mm
487109	Plain Bowl	6-3/4" diam. x 1-3/8" deep	171 x 35mm
48722	Ripple Bowl Drape	12-1/2" x 2"	318 x 51mm
48724	Drapery Cone	2-1/2" diam. (bottom) x 5" tall	63 x 127mm
487241	Drapery Cone	3-3/4" diam. (bottom) x 6-1/4" tall	95 x 159mm
487758	Mini Floral Former	3-1/2" x 2-3/4"	89 x 70mm

See more drape molds on page A19.



48630
17.3" dia. x 5.7" deep
(439 x 145mm)
Upright Lamp Shade



4864029
10 Groove Rod Pod
Murrini Maker
9-3/4" x 9-3/4"
(247mm)



4864037
Single Candle Bridge
7 x 5-1/4"
(178 x 133mm)



4864038
Quad Candle Bridge
16 x 6"
(106 x 152mm)



486425
5-1/2 x 3" Pedestal
(140 x 76mm)



486426
5 x 3-1/2" Retro Soap Dish
(127 x 89mm)



486427
4-3/4 x 6" Leaf Soap Dish
(121 x 152mm)



486428
10-1/2 x 4-1/2" Spoon Holder
(266 x 114mm)



486429 (6") 152mm
486430 (8") 203mm
Heart Slump Molds



486509
12-1/4" x 7" x 1/2" Fan Mold
(311 x 178 x 13mm)



486511
6-3/4" Christmas Tree
(171mm)



486512
7" x 7" x 3/4" Snowflake
(178 x 178 x 19mm)



486515 - Sm. Interweave
5-3/4" x 5.37" x 3/4" (146 x 136 x 19mm)
486516 - Med. Interweave
9.13" x 5.37" x 3/4" (231 x 136 x 19mm)



487117
Slump Fish Plate
13" long (330mm)



487118
Dish or Ashtray
10" diam. (254mm)



487191
Fluted Ashtray
8-1/2" square x 1-1/8" deep
(216 x 28mm)



4871-925
Slump Wine Bottle
15" x 4-1/2" x 1-3/8" deep
(381 x 114 x 35mm)



487193
Slump Tree
10-1/2" x 6-1/2" x 7/16" deep
(267 x 165 x 11mm)



487119
Ripple or Wind chime
12" (305mm)



487147
Heart Tray
4" (101mm)



487150
Butterfly Mold
7" long x 5-1/2" wide x 13/16" deep
(178 x 140 x 22mm)



487750 - Small Tube Mold
2" x 4" (51 x 102mm)
487751 - Large Tube Mold
2" x 10" (51 x 254mm)



487756
Weave Mold Set
6" x 1-1/2" at base, 1/2" wide at peak
(152 x 38 x 13mm)



487757
Incense Burner Slump
11-1/2" long x 2" wide
(292 x 51mm)



487804
Coaster Slump
5" x 5" (127mm)



489209
Bubble Double Slump
(Two 40mm convex circles)



STANDUP MOLDS

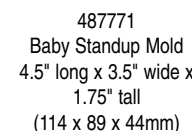
Create free standing fused glass figures!



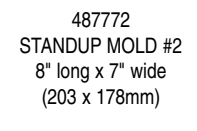
487770
Large Standup Mold
12" long x 8.5" wide
(305 x 216mm)



487773
STANDUP MOLD #1
8" long x 6" wide
(203 x 152mm)

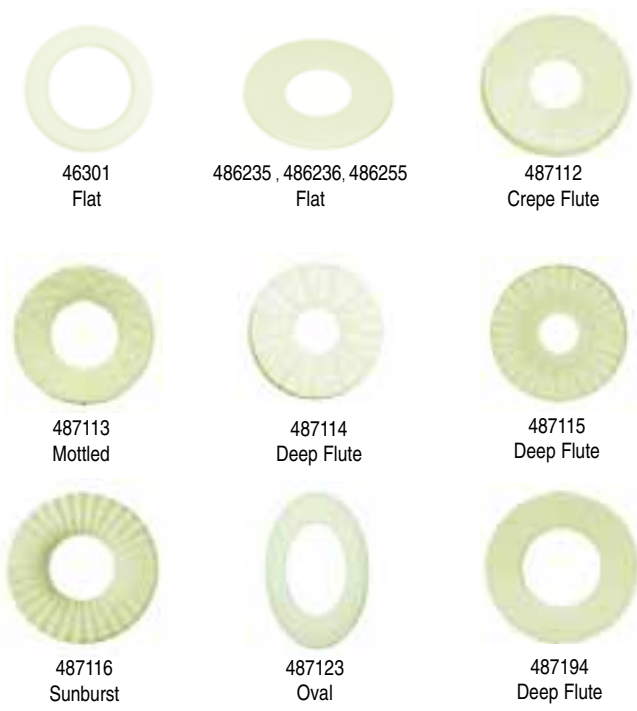


487771
Baby Standup Mold
4.5" long x 3.5" wide x
1.75" tall
(114 x 89 x 44mm)

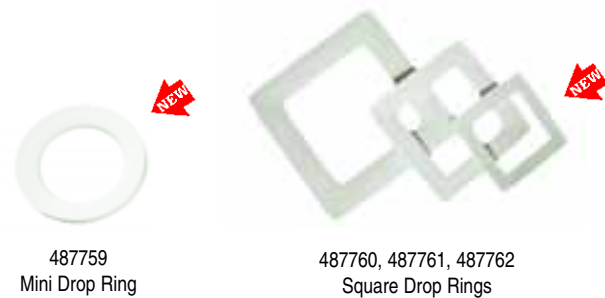


487772
STANDUP MOLD #2
8" long x 7" wide
(203 x 178mm)

DROPOUT MOLDS



DROPOUT MOLDS			
46301	Flat Dropout	5" x 3-1/4"	129 x 82mm
486235	Flat Dropout	3" inner x 7" outer diam.	76 x 177mm
486236	Flat Dropout	2-5/8" inner x 6" outer diam.	67 x 152mm
486255	Flat Dropout	5" inner x 9" outer diam.	129 x 229mm
487112	Crepe Flute Dropout	3-1/8" inner x 9" outer x 2"	79 x 229 x 51mm
487113	Mottled Dropout	3-1/8" inner x 6-1/2" diam. x 1"	79 x 165 x 25mm
487114	Deep Flute Dropout	5-1/2" diam. x 1-3/8" deep	140 x 35mm
487115	Deep Flute Dropout	6-1/2" diam. x 1-3/4" deep	165 x 45mm
487116	Sunburst Dropout	10" diam. x 1-7/8" deep	254 x 48mm
487123	Oval Dropout	Inner diam.: 4-1/4" x 2-3/4" Outer diam.: 7-1/2" x 4-3/4"	108 x 70mm 190 x 121mm
487194	Deep Flute Dropout	4-3/8" inner x 7-1/2" x 5/8"	111 x 190 x 16mm
487759	Mini Drop Ring	4-1/4"	108mm
487760	Square Drop Ring	6" square	152mm
487761	Square Drop Ring	8" square	203mm
487762	Square Drop Ring	10" square	254mm



MOLD SETS

SUN-SCULPTURE MOLD SET I

Cat. No. 4866

The five piece set includes molds for an iris, lily and long leaves.

SUN-SCULPTURE IRIS MOLD

Cat. No. 48661

See three molds in photo for Cat. No. 4866. Using these molds, create an iris in a single firing.

SUN-SCULPTURE MOLD SET II

Cat. No. 4870

Three distinctive molds: a dimensional soaring bird, a billowing spinnaker sail and a unique morning glory.

SUN-SCULPTURE MINI MOLD SET I

Cat. No. 48701

Set of 4 forms designed for use in small rapid firing kilns. Includes forms to make upper and lower iris, lily and leaves. Directions and firing instructions are included with the forms.

NITE-LITE MOLD SET

Cat. No. 4868

5-1/2" W x 5" H x 1" D
4" W (top) x 5-1/2" H x 1" D

SUN-SCULPTURE MINI MOLD SET II

Cat. No. 48702

Set of four molds to create a rose, morning glory and the trumpet flower in small rapid firing kilns.



Finished Example
(Pattern and hardware not included.)

GARDEN DELIGHT LEAF MOLD

Cat. No. 48704

Mold to create leaves for a hyacinth and tulip flowers.

GARDEN DELIGHT MOLD SET











Cat. No. 48705

Six piece set of molds to form a daffodil, hyacinth, bird of paradise and clouds.



STAINLESS STEEL MOLDS

See Page A10 for Boron Nitride (Cat. No. 489450), recommended for slumping and fusing on stainless steel molds.

 483801 Wall Sconce Hemisphere 10.25" x 12.5" (260 x 318mm) (See hardware below.)	 483802 Wall Sconce Hemisphere 9" x 8" x 3.75" (229 x 203 x 95mm) (See hardware below.)	 483803 Pattern Bar 6" x 1" x 1" (152 x 25mm)	 483804 3" x .75" (76 x 19mm) Sm. Murrini Tube	 483805 6" (152mm) Lg. Murrini Tube	 483806 Mini Candle Cup 2" & 3", 4 different shapes (51 & 76mm)	 483807 Single S Curve 10" 10" x 8" x 1.5" x 1" lip (254 x 203 x 38 x 23mm)
 483808 Single S Curve 13" 13" x 8" x 1.5" x 1" lip (330 x 203 x 38 x 23mm)	 483809 Double S Curve 30" 30" x 15" x 3" lip (762 x 381 x 76mm)	 483811 Double S Curve 22" 22" x 15" x 2.5" x 1" lip (559 x 381 x 64 x 23mm)	 483812 Casting Mold 6" diam. x 2" tall. (152 x 51mm) Inner surface must be lined with refractory fiber paper.	 48383 Plate 12" diam. x 3/4" deep (305 x 19mm)	 48384 Shallow Plate 13" diam. (330mm)	
 48386 Convex Plate 17" diam. (431mm)	 48387 Plano-Convex Plate 19" diam. (482mm)	 48388 "S" Curve Wave 16" x 14" x 3" (406 x 355 x 76mm)	 48389 The Wave 13" x 8" x 2-1/4" (330 x 203 x 13mm)	 48390 9" sq. (229mm) Sm. Weave 5 lands, 6 grooves	 48672 - Tall 6-3/4" x 3-5/8" (base) x 2-1/2" (top) 171 x 92 x 63mm 48673 - Short 4-3/8" x 3-3/16" (base) x 2-1/8" (top) 111 x 81 x 54mm	









ROUND SCONCE HARDWARE
Cat. No. 483813
This hardware is for the half round wall sconce Cat. No. 483801. This hardware bracket is 20 gauge galvanized steel with a maximum 75w candelabra socket UL approved. Use flex adjustment clips to hold glass; no need to drill holes.



HARDWARE BRACKET/SCONCE
Cat. No. 483814
Adjustable aluminum hardware bracket adjusts in width to fit glass. Gives a silver finished look to both sides of the glass. Maximum 100W Type A Socket UL Approved. Use wall sconce bracket with Round Sconce Mold Cat. No. 483802.

TEXTURE GRIDS

Armored Kiln Gear Stainless Steel Texture Grids - a great way to give texture to glass. 12" x 12" (305mm) squares. To use, shape grid to desired form or lay flat. Prime grid with Boron Nitride Spray (Cat. No. 489450 page A10). Set glass on top of grid and slump.

 4864860 Double Wrap Fuse A tight basket weave design.	 4864856 Weave Hex A systematic crosshatch design and texture.	 4864858 Tight Tabby An organic textured surface resembling a tight grid impression.	 4864852 Crimp A small basket weave design which is reflected onto the glass creating a crimped glass surface.	 4864850 Welded Line 1/4" A set of horizontal stainless steel stripes welded to another perpendicular set of stripes.	 4864854 Satin Fuse A satin finish on the glass that looks like a evenly smooth sanded surface.
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DRAPE MOLDS AND BASES



Make this beautiful light with the following products!

10" OVAL PANEL FORMER NEW

Cat. No. 487438

The 10" (254mm) Oval Panel Former shapes glass panels to perfectly fit the 10" Oval Lighting Hardware (#487439). The former is reusable and only needs to be coated with primer before every use.

10" OVAL LIGHTING HARDWARE NEW

Cat. No. 487439

Start by casting or fusing two 10" x 10" (254mm) panels. These panels are then slumped over Colour de Verre's 10" Oval Panel Former (#487438). The resulting two panels are easily attached to 10" Oval Lighting Hardware using special, adhesive pads included in the kit. A prewired light socket, complete with cord, snaps into place. The socket can accommodate up to a 60 watt bulb. Complete instructions are included.



SMALL HEX DRAPE NEW

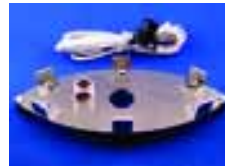
Cat. No. 487774

9" long x 4" wide (229 x 102mm)

LARGE HEX DRAPE NEW

Cat. No. 487775

9" long x 6" wide (229 x 152mm)



SMALL CYLINDER DRAPE NEW

Cat. No. 487776

9" long x 4" wide x 2" tall (229 x 102mm x 51)

LARGE CYLINDER DRAPE NEW

Cat. No. 487802

9" long x 6" wide x 3" tall (229 x 152 x 76mm).
Makes half cylinder glass panel.



HALF BASE NEW

Cat. No. 487777

Half Base for one panel of glass. Includes a 25 watt torpedo tip bulb and a 6 foot UL Approved brown cord. Can be finished with glazes and fired or can be decorated with a non-fired color product. Hosts glass panes slumped over Cat. No. 487802.



Use these products to make unique lights like this!

5" ROUND PANEL FORMER NEW

Cat. No. 487440

The 5" (127mm) Round Panel Former shapes glass panels to perfectly fit the 5" Round Lighting Hardware (#487441). The former is reusable and only needs to be coated with primer before every use.

5" ROUND LIGHTING HARDWARE NEW

Cat. No. 487441

Start by casting or fusing two 7.5" x 10" (191 x 254mm) panels. These panels are then slumped over Colour de Verre's 5" Round Panel Former (#487440). The resulting two panels are easily attached to 5" Round Lighting Hardware using special, adhesive pads included in the kit. A prewired light socket, complete with cord, snaps into place. The socket can accommodate up to a 60 watt bulb. Complete instructions are included.



LAMP BASE NEW

Cat. No. 487778

Full Base for two panels of glass. Includes a 25 watt torpedo tip bulb and a 6 foot UL Approved brown cord. Can be finished with glazes and fired or can be decorated with a non-fired. Hosts glass panes slumped over Cat. No. 487802.



LAMP BASE KIT NEW

Cat. No. 487801

5" long x 2" wide base. (127 x 51mm)
Includes a 25 watt torpedo tip bulb and a 6 foot UL approved brown cord. Hosts glass panes slumped over Cat. No. 487774.



A FUSING



Photos provided courtesy of Jayne Persico.

Colour de Verre produces reusable glass-casting molds for artists and hobbyists. It has merged the age-old art of glass casting with modern technology and contemporary design. Colour de Verre molds can be filled with glass powders, pate de verre, glass frit or cut sheet glass. Packaged with instructions, they are easy to use and produce beautiful results. Another great product developed by Jayne Persico.



48730
Celtic Pendant
2" (51mm)



48731
French Fleur Pendant
1-3/4" (44mm)



48732
English Floral Pendant
1-3/4" (44mm)



48733
Tuscan Floral Pendant
2" (51mm)



48734
Celtic Border Bracelet
6-3/4 x 1-1/4" (171 x 32mm)



48735
French Border Bracelet
7 x 1-3/4" (178 x 44mm)



48736
Leaf & Berry Bracelet
7 x 1-3/4" (178 x 44mm)



48737
Color Blender
3-3/4" (95mm)



48738
Tile Maker
4" (102mm)



48739
Dragonfly
5-1/2 x 4" (140 x 102mm)



487391
Salamander
1-1/2 x 5-1/2" (38 x 140mm)



487392
Toad/Frog
3" (76mm)



487393
Butterfly
4 x 3" (102 x 76mm)



487394
Floral Tile
6 x 3" (152 x 76mm)



487395
Floral Tile
3 x 3" (76mm)



487396
Heart
3 x 3-1/4" (76 x 82mm)



487397
Starfish
4" (102mm)



487398
Japanese Scallop
3" (76mm)



487399
Sea Snail
3 x 4" (76 x 102mm)



487401
Conch
3" (76mm)



487402
Sea Horse & Shell
5-1/2 x 6-1/2" (140 x 165mm)



487403
Snowflake #1
3" (76mm)



487404
Snowflake #2
3-1/2" (89mm)



487405
Snowflake #3
3" (76mm)



487406
Plain Floral Form
7" (178mm)



487407
Plain Floral Form
9" (228mm)



487408
Summer Floral Form
9" (228mm)



487409
Rose Floral Form
9" (228mm)



487410
Plate Slump Form
7-10" (178 x 254mm)



487411
Bowl Slump Form
7-10" (178 x 254mm)



487413
Anemone Med. & Lg.
3" & 2-1/2"
(76mm & 64mm)



487414
Butterflies
Approx. 3" ea.
(76mm)



487415
Dogwood Med. & Large
2-3/4" & 2-1/4"
(70mm & 57mm)



487416
Dragonflies Lg. & Sm.
3" & 4"
(76mm & 102mm)



487417
Leaves, 3 variations
2-1/2", 3" & 2-1/2"
(64mm, 76mm & 64mm)



487418
Lotus Sm. & Med.
2-1/2" & 2"
(64mm & 51mm)



487419
10" Fuser Plate
(254mm)



487420
Poppies Med. & Lg.
2-1/4" & 1-3/4"
(57mm & 44mm)



487421
Rose Med. & Lg.
2-1/4" & 1-3/4"
(57mm & 44mm)



487422
Mixed Flowers #1
1-1/2" ea.
(38mm)



487423
Mixed Flowers #2
2" ea.
(51mm)



487424
Tortoise
2-1/4" x 3"
(57 x 76mm)



487425
Trillium Med. & Lg.
2-3/4" & 3-3/4"
(70 x 95mm)



487426
Blossoms
3/4", 1" and 1-1/4"
(19 x 25 and 32mm)



487427
Oak Leaves
3" and 4" and 1" (acorns)
(76 x 102mm) and (25mm)



487428
Maple Leaves
2-1/2" and 3" (leaves)
(64 and 76mm)



487429
Tropical Leaves
4" and 5-1/2"
(102 and 140mm)



487430
Lily Pad & Frog
5" lily pad (129mm)
and 1-1/2" frog (38mm)



487431
Pendant Mold
1-3/4" circles and square
(44mm)



487432
Honey Bees
1" and 1-1/4"
(25mm and 32mm)



487434
10" sq. Fuser Plate
(254mm)



COPPER CASTING STRIPS

Cat. No. 487433

Copper Strips are easily cut to size for forming. Odd shapes can be made with a Wire Bending Jig (Cat. No. 24556). Shapes are pressed into board, Duraboard, Tuffboard or Kaiser Lee Board. Shape must be lined with fusers shelf or thin paper before filling with glass. Strips measure 36" x 1" (914 x 25mm) each.



MOLD CLEANER BRUSH

Cat. No. 48185

Ideal for removing spent shelf primer from molds. The stiff plastic bristles are contoured to clean out fine detail in casting molds. Round bristle cluster is 3" long x 1" diameter. Overall 11" (76 x 25 x 275mm). Wooden handle.

More COLOUR DE VERRE MOLDS

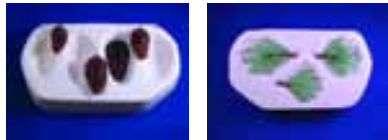


side 1 487435 side 2

BRANCHES NEW

Cat. No. 487435

Combination of a casting mold and a slumping mold. On the casting side there are 3 wells for making different branch designs. The reverse side has undulations for slumping the cast branches.



side 1 487436 side 2

PINE CONES AND NEEDLES NEW

Cat. No. 487436

On the casting side there are 4 pine cone wells. On the reverse side 3 Needle Clusters.



side 1 487437 side 2

SMALL LEAVES NEW

Cat. No. 487437

Combination of a casting mold and a slumping mold. The casting side has 5 wells for assorted leaves. The reverse side is shaped to slump the cast leaves.



side 1 487437 side 2

SCARABS & ANKHS MOLD NEW

Cat. No. 487442

The scarab is associated with rebirth and good luck. The ankh is the Ancient Egyptian hieroglyph signifying "life". Even though these are ancient symbols, these motifs are often found in modern jewelry and artwork. Colour de Verre's new "Scarabs and Ankhs" combines both these symbols into one mold. Each mold has eleven casting cavities. 6-3/4" x 4-1/4"



LITTLE FRITTERS

Fired earthenware molds for glass. It's fun and easy to create delightful glass "Little Fritters". Simply prime the Little Fritter mold with glass separator, fill with glass frit of choice and fire.



48761
Sun
3-3/4" (95mm)



48762
Butterfly
4-1/2" (114mm)



48763
Fish
4" (102mm)



48764
Snowman
4-1/4" (108mm)



48765
1" squares
(25mm)



48766
1" discs
(25mm)



48767
1" stars & hearts
(25mm)



48768
Barrette Mold
3-1/4" (82mm)



48769
Dragonfly Tile
6" (152mm)



48770
Magnolia
3-1/2 x 3" (89 x 76mm)



48771
Hummingbird
3 x 3" (76mm)



48772
Tree Frog
3 x 4" (76 x 102mm)



48773
Cross
4-1/2 x 3-1/2"
(114 x 89mm)

CASTING MOLDS

The GLASS CASTING process opens a whole new opportunity for producing glass art in the kiln. It is a simple method to make open faced Pate-de-verre. Simply prime the mold with Primo Primer, Cat. No. 48230 (pg. A7), fill the mold with glass powders or frit of your choice of colors and design and fire.



4864030
Cube Tray; 16 Squares
8-1/2 x 8-1/2" (216mm)
1-1/2" cubes (38mm)



4864031
Cube Tray; 16 Ovals
8-1/2 x 11" (216 x 279mm)
1-1/4 x 2" ovals (32 x 51mm)



4864032
4" (102mm) Round Tile
4864033
6" (152mm) Round Tile



4864034 - 4" (102mm) Tile
4864035 - 6" (152mm) Tile



4864039
Pyramid Paperweight
5" sq. x 3-1/4" (129 x 82mm)



4871118
Paperweight Casting
3" (76mm) hemisphere



487767
9" x 9" Hot Pattern Square

TILE MOLDS

Fusers will delight in these texture molds. To achieve maximum texture on glass, fuse glass pieces to a full fuse on the tiles. After fusing the textured pieces can be slumped and the texture will only slightly diminish. Frit can also be fused on the tiles either with sheet glass or on its own. 6 different 7" x 7" (178mm) texture tiles, and one large 9" x 9" (229mm). Sold separately.



487752
Wave Texture



487753
Harlequin Texture



487754
Flower Texture



487755
Mosaic Texture



487768
Tooled Leather



487769
Geode Grid



METAL FORMS

These forms are meant to hold fire dampened frit in place before fusing. When formed, the metal shape should be removed. If used in the kiln, a protective spray of Boron Nitride is suggested (Cat. No. 489450 on pg. A10). Do not permit glass (frit & powder) to contact the unprotected metal surfaces.



CIRCLE FORMS
Cat. No. 486722

Five different sizes of circle forms.
1-3/8" to 3-1/2" (35 to 89mm). Use with glass frit to form circles when fusing.



SQUARE FORMS - Cat. No. 486724

Five different sizes of square forms. 1-1/2" to 2-3/4" (38 to 70mm). Use with glass frit to form squares when fusing.



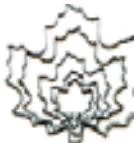
HEART FORMS - Cat. No. 486721

Five different sizes of heart forms. 1-1/4" to 3-1/4" (32 to 83mm). Use with glass frit to form hearts when fusing.



STAR FORMS - Cat. No. 486723

Six different sizes of star forms. 1-3/8" to 3-1/2" (35 to 89mm). Use with glass frit to form stars when fusing.



LEAF FORMS - Cat. No. 486725

Five different sizes of maple leaf forms. 1-1/4" to 4-3/4" (32 to 121mm). Use with glass frit to form leaves when fusing.

SHAPE CASTERS RING SETS

Circle shaped glass casting molds. Ring is formed from 1/8" x 1" (3mm x 25mm) stainless steel, butt-welded and ground smooth. Sufficient 1/8" shelf paper trimmed to fit is supplied with clips and mounting glue. Ring will not de-form when casting with frit and chips. Three sets are available, each with 5 progressive ring sizes.

Cat. No. Description

- 159825 SET: 3", 4", 5", 6" & 7"
- 159826 SET: 8", 9", 10", 11" & 12"
- 159827 SET: 13", 14", 15", 16" & 17"



159825



159826



159827



CLAY BARRETTE MOLDS - Cat. No. 4830B__
Molds for slumping and fusing decorative hair accessories. 4830B2 may also be used as a mold for a box top lid. See chart below.

Mold	Description	Clay Barrette Mold Sizes	Hardware
4830B2	Box Top	4" wide x 5" long x 3" high (102 x 127 x 76mm)	48393
4830B3	Large	1/2" wide x 3-1/2" long (13 x 89mm)	48392
4830B4	Medium	3/4" wide x 3" long (19 x 76mm)	48391
4830B5	Small	1/4" wide x 1-3/4" long (6 x 44mm)	N/A
4830B6	Ponytail	3/4" wide x 3" long x 1-1/4" high (19 x 76 x 32mm)	48391, 2, 3

See page A22 for 3-1/4" casting barrette mold Cat. No. 48768.



BARRETTE & COMB MOLDS

- Cat. No. 48602** - Thin Straight Barrette Mold
4 x 1-1/4" (102 x 32mm)
- Cat. No. 48603** - Oval Curved Barrette Mold
4-3/16 x 2-1/4" (106 x 57mm)
- Cat. No. 48604** - Curved Barrette Mold
3-3/4 x 2" (95 x 51mm)
- Cat. No. 48605** - Curved Barrette Mold
3-3/4 x 1" (95 x 25mm)
- Cat. No. 48606** - Comb Mold
3-5/8 x 1-1/8" (92 x 29mm)

BARRETTE CLIPS - Packages of 4.
Cat. No. 48391 - 2-3/8" (60mm) Clip
Cat. No. 48392 - 2-3/4" (70mm) Clip
Cat. No. 48393 - 3-1/8" (73mm) Clip
(Fits clay molds 4830B2-B6.)



CURVED COMBS

Cat. No. 48397
Use tortoise design plastic combs to affix fused glass pieces. Make hair combs into works of art. Package of 12. Combs fit the curved mold Cat. No. 48606 below/left.



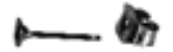
BRACELET FORMING KIT

Cat. No. 16052
Easy-to-use kit for creating fused glass bracelets. Kit includes a stainless steel mold, graphite tongs for forming, wire and instructions. See page A41 for Embossing Stamps.



EAR POST & CLUTCH

Cat. No. 4841
Surgical post is .030" x 3/8" (0.76 x 9.5mm) with a 10mm pad. Heavy surgical steel clutch has a .036" (.91mm) hole. Silver color. Package of 144.



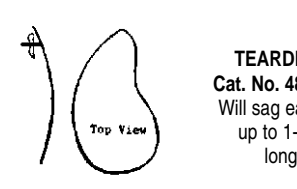
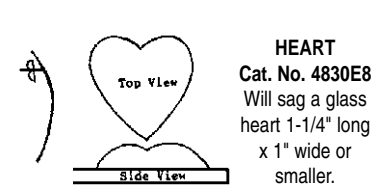
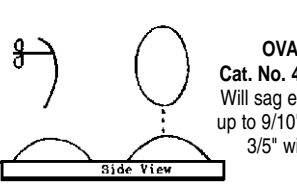
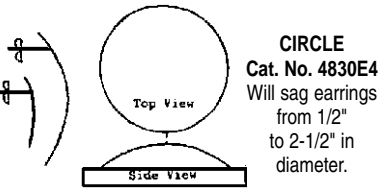
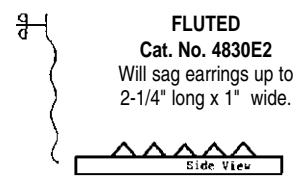
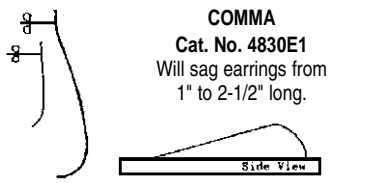
BRASS EYE PINS

Cat. No. 48401
22 ga. x 3/4" long x 2mm hole eyepins made of soft brass with gilt finish. They're easy to bend, cut or loop for small-hole beads. 1 oz. package (approx. 350 pcs).



DOUBLE EARRING MOLDS

Double earring molds in attractive designs make a complete pair of fused or slumped earrings. Due to the size of these molds, they will not fit into the Quik-Fire or RapidFire 6 Kilns.



PIN BARS

Cat. No.	Description	Size
48405	Brass plated steel, 10 pack	1" long (25mm)
48406NP	Nickel plated steel, 10 pack	1-1/2" long (38mm)
48407NP	Nickel plated steel, 10 pack	1-1/4" long (32mm)



JUMP RING ASSORTMENT - Cat. No. 483951

Sterling silver jump ring assortment ideal for using with Art Clay Silver for that finished and functional look. 190 rings, oval and round.

Quantity	Shape	I.D.	Gauge
50	Round	2.4mm	22
50	Round	2.4mm	20
50	Round	3.2mm	20
20	Round	3.2mm	18
20	Oval	3.2mm	20





SILVER PLATED FRENCH WIRE EARRINGS
Cat. No. 484031
 Pack of 5 pairs w/disk and clutch. Findings for fused glass.



GOLD PLATED FRENCH WIRE EARRINGS
Cat. No. 484032
 Pack of 5 pairs w/disk and clutch. Findings for fused glass.



GLUE DISK SILVER PLATED
Cat. No. 484033
 20 pack.



WING BAIL
Cat. No. 484036
 1 pack. Sterling silver plated.



MOROCCAN BAIL
Cat. No. 484037
 5 pack. Sterling silver plated.



HEART BAIL
Cat. No. 484038
 5 pack. Sterling silver plated.



THATCH BAIL
Cat. No. 484039
 5 pack. Sterling silver plated.



STUDED BAIL
Cat. No. 484040
 5 pack. Sterling silver plated.



BRACELET
Cat. No. 484041
 1 pack. Sterling silver plated.



SILVER PLATED LEAF BAIL
Cat. No. 484034
 20 pack.



LG. GOLD PLATED SMOOTH BAIL
Cat. No. 484042
 Package of 5.



FILIGREE SILVER PLATED BAIL
Cat. No. 484045
 Package of 1.



FILIGREE GOLD PLATED BAIL
Cat. No. 484044
 Package of 1.



SMALL GOLD PLATED LEAF BAIL
Cat. No. 484046
 Package of 20.



SMALL SILVER PLATED LEAF BAIL
Cat. No. 484047
 Package of 20.



NICKEL PLATED BAILS ON ZINC
Cat. No. 48430 - Small
Cat. No. 48431 - Large
 Packs of 25.

SILVER PLATED BAILS
 Silver plating over base metal. Packs of 25.
Cat. No. 484305 - Small
Cat. No. 484316 - Medium
Cat. No. 484315 - Large



GOLD PLATED JEWELRY BAILS
 Jewelry bails with 18k gold plating over zinc. Packs of 25.
Cat. No. 484301 - Small (6 x 15mm)
Cat. No. 484311 - Large (10 x 25mm)



EARRING BAILS
Cat. No. 48447
 13 x 5mm Sterling silver plated small jewelry bails. Package of 24.
Cat. No. 484312
 13 x 5mm 18K gold plated earring bails. Package of 24.



PENDANT PLATES
Cat. No. 48434 - 5/8" x 3/4" Small
Cat. No. 48435 - 1" x 1-1/4" Large
 Stainless steel pendant plates for making jewelry. Attach small fused glass designs or cut pieces of stained glass to make beautiful wearable art. (Packs of 10.)

Clasp



STEEL CABLE CHOKER

Cat. No. 16705
 Perfect for wearing a favorite cabochon. Choker necklace made of coated steel cable. 16" (406mm) in length with a magnet clasp. Sold in packs of 3.

MONEY CLIP



Cat. No. 48420
 3/4" (19mm) wide nickel alloy money clips. Make your own design and glue it to the clip for a one-of-a-kind piece. Can also be engraved. Pack of 20.



TIE BAR



Cat. No. 48421
 Approx. 1-3/4" x 1/4" (43 x 5.6mm) Nickel finish tie bars. Pack of 24.



NEW OVAL PROJECT KIT

Cat. No. 484912

Create a unique and beautiful fused dichroic glass pendant with these pre-cut shapes. The dichroic patterns are created with "Micro-Etch" non-abrasive process that enhances the clarity and pristine luster of the glass. Comes with 3 pre-cut ovals (1" x 1.25"), a .18 fl. oz. tube of E6000 glue, and a gold plated leaf bail. ORMD



NEW HEART PROJECT KIT

Cat. No. 484913

Create a fused dichroic glass heart pendant with these pre-cut shapes. The dichroic patterns are created with "Micro-Etch" non-abrasive process that enhances the clarity and pristine luster of the glass. Comes with 3 pre-cut hearts (approx. 1.25"), a .18 fl. oz. tube of E6000 glue, and a gold plated leaf bail. ORMD



BUTTON BACKS 10mm

Cat. No. 484501

Pack of 100 pressed glass button backs. 10mm diameter provides good surface for gluing to artwork, metal, plastic wood or glass. Creates opportunity to display fused glass buttons on clothing, etc. Eyehole accepts thread, wire or string for fastening.



BELT BUCKLE - Cat. No. 48444

Metal buckle with indent for mounting round glass shapes.

BELT BUCKLE - Cat. No. 48445

Metal buckle with indent for mounting rectangular glass shapes.



DISK & RECTANGLE MOLD

Cat. No. 48774

Mold designed to fit Aanraku Belt Buckles. Enhance belt buckles with fused glass designs. Disc = 1-1/4" (32mm) diameter
Rectangle = 1-1/2" x 1-3/4" (38 x 44mm)



LEATHER BELT - Cat. No. 48446

52" long leather belt for attaching belt buckles, Cat. Nos. 48445 and 48444. Cut to size as required.



NEW PURSE HANGER

Cat. No. 484302

Just hook your purse strap on one end of the hanger, and rest the other end on the table top! Easy, decorative and lightweight. Nickel-plated purse hanger with a detent for a 25mm cabachon insert. Overall length 96 mm.



CABINET / DRAWER PULL KNOB

Cat. No. 484313

Fill in the top of the bright silver color metal knob with fused glass to make beautiful custom glass knobs. 1-1/2" (32mm) diam.



THIN NEEDLE NOSE PLIERS

Cat. No. 22085 - 5" (127mm) long

Small, lightweight needle nose pliers ideal for bead assembly or wire work. Perfect for tight spaces. Tip length: 7/8" (22mm) long.



UTILITY KNIFE

Cat. No. 49831 - Knife and Blade

Cat. No. 49831RB - 5 Replacement Blades

Cat. No. 4983101 - 100 Replacement Blades

Surgically sharp interchangeable blade with a four jaw chuck handle for positive blade gripping. Ideal for fine cuts on stencils. Replacement blades in two handy sizes.



DELUXE UTILITY KNIFE

Cat. No. 49832

Knife handle accepts double-sided blade (not included) to aid in impressing designs in hot glass. Also accepts replacement blades Cat. Nos. 49831B and 4983101.

HOTLINE® FLOAT GLASS PRODUCTS

Float glass or window glass as it is sometimes called, is becoming increasingly popular in the area of fusing. It is seen in doors, room dividers, furniture, and tableware made of kiln-formed float glass. Apart from painting, the possibility of decorating with float glass was limited until now. With **HOTLINE powders**, the glass worker now has a colorful palette of compatible products for decorating with float glass.

The C.O.E. = 82 x 10⁻⁷°C, making the colors compatible with each other and with float glass. Float glass has several advantages over familiar fusible glass: It is less expensive, readily available from hardware or builder supply stores, smooth on both sides and available in several thicknesses and large sizes.

Double-strength float glass closely matches the thickness of most stained and art glass at 1/8" (3mm). **NOTE:** The C.O.E. 82 x 10⁻⁷°C, FF HOTLINE colors, are not compatible with stained and art glass colors which usually have a C.O.E. range from 90 through 104.

Float glass is produced by flowing the melted glass over a bed of molten tin. This leaves an invisible tin coating on one side. This side must face up. A "Tin Scope" (Cat. No. 52180) or UV light (Cat. No. 5214) fitted with a shortwave bulb (Cat. No. 5214SW) are suitable light sources for detecting the filmed tin side of the glass.

HOTLINE Powders and Frit are offered in 8.8 oz. (250 mg) jars. See chart at right for recommended temperatures and times. The color palette includes:

Description	Powder 0	Frit Fine
Brilliant Black	7440BF00260+	7440BF00262+
Lt. Aquamarine	7440BF00920+	7440BF00922+
Lt. Violet	7440BF01120+	7440BF01122+
Red	7440BF10150+	7440BF10152+
Orange	7440BF10250+	7440BF10252+
Yellow	7440BF10350+	7440BF10352+
Dark Red	7440BF10550+	7440BF10552+
Grenadine Red	7440BF10650+	7440BF10652+
Opaque Red	7440BF20150+	7440BF20152+
Opaque White	7440BF31220+	7440BF31222+
Clear	7440FF00000+	7440FF00002+
Black	7440FF00250	7440FF00252
Cobalt Blue	7440FF00550+	7440FF00552+
Chrome Green	7440FF00760+	7440FF00762+
Aquamarine	7440FF00960+	7440FF00962+
Deer Brown	7440FF01050+	7440FF01052+
Dark Violet	7440FF01160+	7440FF01162+
Amber	7440FF01650	7440FF01652
Cherry Red	7440FF10450+	7440FF10452+
Opaque Red Extra Dense	7440FF21150	7440FF21152
Opaque Orange	7440FF20250+	7440FF20252+
Opaque Yellow	7440FF20350+	7440FF20352+
Opaque Yellow Extra Dense	7440FF21350+	7440FF21352+
Gray Opal	7440FF30250	7440FF30252
Opaque Dark Blue	7440FF30450	7440FF30452
Opaque White Lead Free	7440FF31000+	7440FF31002+
Opaque White	7440FF31200	7440FF31202
Opaque White Extra Dense	7440FF31300	7440FF31302
Opaque Gold Ruby	7440FF40050	7440FF40052
Opaque Gold Pink	7440FF40250	7440FF40252
Dark Green	7440FF00780	7440FF00782
Dark Aquamarine	7440FF00980	7440FF00982
CLEAR CHIPS*	SIZE 4	7440FF00004

* Clear is also available in #4 Chips which may be used as a spacer when fusing frit between two sheets. This helps to eliminate some bubbles which are created by entrapped air. + Denotes Lead-Free Color.

For Float Fire 82® Glass, see page K146-K147.
For Easy Fuse, see page K148-149.



250mg, 8.8 oz. net wt.

RECOMMENDED WORKING TEMPERATURES AND TIMES

Fusing	1562°F	850°C
Tack Fusing	1436°F	780°C
Slumping	1292°F	700°C
Annealing	968°F	520°C

Soak, full fuse 20 min.
Soak, tack fuse 10-20 min.



STRINGERS

Cat. No. 744010

82 C.O.E. assorted stringers. 250g tube, 24" (609mm) long. Multicolor assortment.



MINI TIN SCOPE

Cat. No. 52180

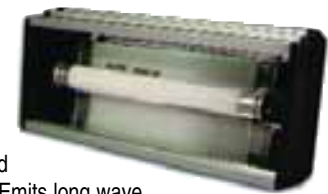
A battery powered detector to determine which is the tin side of a sheet of Float Glass. Simply place the Short Wave UV window against the glass. The tin side will be foggy, the reverse side will be clear. The tin side should face up during firing. Measures 6-1/4" long x 2-1/16" wide x 1" thick (159 x 53 x 25mm). Window dimensions: 2-1/8" long x 1-3/16" wide (54 x 30mm), Aperture is 17 x 40mm). Carry cord is attached. Powered by 4 AA batteries (not supplied).

SUN-SETTER ULTRA-VIOLET LIGHT SOURCE

Cat. No. 5214

6.5" (165mm) long x 3" (76mm) wide.

Self-contained hand-held ultra-violet light source. Emits long wave light (320-400 nano-meters) needed for UV adhesive curing. Tacks in 6-10 seconds. Cures in 30-60 seconds. 115 volts, 20 amps, 60Hz, 3-prong safety plug. Life expectancy of bulb is 4,000-6,000 hrs.



Cat. No. 5214RB - Replacement long wave bulb

Cat. No. 5214SW - Short wave UV bulb only. Wave length 220-280 nano-meters. Fits in Cat. No. 5214 light source. Used to determine "tin side" of float glass.

YOUGHIOGHENY EASY FUSE (82 C.O.E.) Frit & Powder

8 oz. jars (226g)

FRIT	POWDER	COLOR
EFF-200	EFP-200	Amber
EFF-202	EFP-202	Light Rust
EFF-208	EFP-208	Amber Tint
EFF-209	EFP-209	Champagne
EFF-300	EFP-300	Black
EFF-303	EFP-303	Purple
EFF-304	EFP-304	Pale Plum
EFF-306	EFP-306	Violet
EFF-368	EFP-368	Ice Blue Tint
EFF-400	EFP-400	Leaf Green Tint
EFF-403	EFP-403	Pea Green
EFF-404	EFP-404	Kelly Green
EFF-430	EFP-430	Olive Green
EFF-432	EFP-432	Light Olive
EFF-438	EFP-438	Lt. Green Tint
EFF-444	EFP-444	Emerald Green
EFF-500	EFP-500	Yellow
EFF-504	EFP-504	Chartreuse
EFF-506	EFP-506	Apple Green
EFF-509	EFP-509	Tangerine
EFF-550	EFP-550	Marigold
EFF-600	EFP-600	Cobalt Blue
EFF-601	EFP-601	Light Blue
EFF-606	EFP-606	Turquoise
EFF-607	EFP-607	Steel Blue Tint
EFF-608	EFP-608	Aqua Tint
EFF-666	EFP-666	Sea Blue
EFF-700	EFP-700	Gray
EFF-705	EFP-705	Gold Cranberry
EFF-706	EFP-706	Gold Purple
EFF-707	EFP-707	Erbium Pink
EFF-708	EFP-708	Lt. Gray Tint
EFF-777	EFP-777	Neo Powder
EFF-800	EFP-800	Clear
EFF-900	EFP-900	Red
EFF-901	EFP-901	Red Orange
EFF-905	EFP-905	Orange
EFF-1000	EFP-1000	White Opal
EFF-2000	EFP-2000	Pina Colada Opal
EFF-4200	EFP-4200	Mustard Seed Opal
EFF-4060	EFP-4060	Bay Leaf Opal
EFF-4061	EFP-4061	Seafoam Opal
EFF-4066	EFP-4066	Dk. Sea Mist Opal
EFF-4444	EFP-4444	Emerald Green Opal
EFF-5000	EFP-5000	Lemon Yellow
EFF-5500	EFP-5500	Marigold Opal
EFF-6400	EFP-6400	Wedgewood Blue Opal
EFF-7077	EFP-7077	Lt. Dolphin Gray Opal
EFF-7777	EFP-7777	Thunder Gray Opal
EFF-9000	EFP-9000	Red Opal
EFF-9052	EFP-9052	Blush Pink
EFF-9500	EFP-9500	Orange Opal

UROBOROS "90" FRIT

C.O.E. of "90" = 90 x 10⁻⁷°C

Each color may be purchased in powder form, or three different sizes of frit. Neatly packaged in transparent bottles for easy color recognition and storage. Net wt. 8.5 oz. (241g).

When ordering frits, specify color and grain size by adding the numbers at right to the end of the color code.

Powder size (-01) .005 - .01" (.13 - .25mm)
Fine Frit (-02) .01 - .03" (.25 - .75mm)
Medium Frit (-03) .03 - .1" (.75 - 2.5mm)
Coarse Frit (-05) .1 - .3" (2.5 - 7.6mm)

Cat. No.	Color	Powder-01				Fine-02				Med-03				Coarse-05			
		Add suffix (01, 02, 03 or 05) to Cat. Nos.															
90 TRANSPARENT FRIT																	
UR-00-90-	Clear	PP	P	P	P												
UR-00-90-IR	Clear Iridescent	n/a	n/a	R	R												
UR-01-90-	Water Clear	QQ	Q	Q	Q												
UR-072-90-	Cool Gray	QQ	Q	Q	Q												
UR-357-90-	Lemon Chiffon	SS	S	S	S												
UR-401-90-	Sky Blue	QQ	Q	Q	Q												
UR-402-90-	Aqua Blue	QQ	Q	Q	Q												
UR-403-90-	Cobalt Blue	RR	R	R	R												
UR-413-90-*	Caribbean Blue	RR	R	R	R												
UR-417-90-	Peacock	SS	S	S	S												
UR-436-90-	Periwinkle	RR	R	R	R												
UR-501-90-	Plum	QQ	Q	Q	Q												
UR-530-90-	Sesame	QQ	Q	Q	Q												
UR-606-90-	Grenadine Red	SS	S	S	S												
UR-608-90-	Tangerine	SS	S	S	S												
UR-610-90-	Cherry	RR	R	R	R												
UR-700-90-	Emerald Green	SS	S	S	S												
UR-701-90-	Evergreen	QQ	Q	Q	Q												
UR-703-90-	Lime	QQ	Q	Q	Q												
UR-705-90-	Kelly Green	QQ	Q	Q	Q												
UR-901-90-	Golden Amber	QQ	Q	Q	Q												
UR-902-90-	Pale Amber	QQ	Q	Q	Q												
UR-905-90-	Root Beer	QQ	Q	Q	Q												
UR-6071-90-*	Vermillion	RR	R	R	R												
90 OPAL FRIT																	
UR-0155-90-*	Orchid Opal	VV	V	V	V												
UR-05-90-	White	RR	R	R	R												
UR-56-90-	Black	SS	S	S	S												
UR-56-90-IR	Black Iridescent	n/a	n/a	T	T												
UR-330-90-	Antique White	RR	R	R	R												
UR-351-90-	Marigold	SS	S	S	S												
UR-400-90-	Cobalt Blue	RR	R	R	R												
UR-408-90-	Cornflower Blue	RR	R	R	R												
UR-521-90-*	Plum Opal	RR	R	R	R												
UR-604-90-	Red	TT	T	T	T												
UR-726-90-	Apple Jade	RR	R	R	R												
UR-761-90-*	Oasis Green	RR	R	R	R												
UR-783-90-*	Olive Green	RR	R	R	R												
UR-791-90-	Seacrest	RR	R	R	R												

**New colors.

UROBOROS SYSTEM 96 FRIT

C.O.E. of "96" = 96 x 10⁻⁷°C (Frit sizes are the same as 90 frit.)

When ordering frits, specify grain size by adding the suffix numbers at left to the end of the color code.

Cat. No. Color		Powder-01	Fine-02	Med.-03	Coarse-05
96 TRANSPARENT FRIT		Add suffix (01, 02, 03 or 05) to Cat. Nos.			
UR-00-96-	Clear	PP	P	P	P
UR-00-96-	4 lbs. of Clear	suffix 014	024	034	054
UR-01-96-	Water Clear	QQ	Q	Q	Q
UR-01-96-	4 lbs. of Water Clear	suffix 014	024	034	054
UR-015-96-	Urobium Pink	VV	V	V	V
UR-56-96-	Black	RR	R	R	R
UR-57-96-*	Walnut	RR	R	R	R
UR-103-96-	Turns Pink	VV	V	V	V
UR-111-96-	Dk. Amber	RR	R	R	R
UR-121-96-	Light Green	RR	R	R	R
UR-125-96-	Dark Green	RR	R	R	R
UR-128-96-*	Aventurine Green	RR	R	R	R
UR-132-96-	Light Blue	RR	R	R	R
UR-136-96-	Dark Blue	RR	R	R	R
UR-142-96-	Light Purple	RR	R	R	R
UR-146-96-	Purple	RR	R	R	R
UR-151-96-	Cherry Red	RR	R	R	R
UR-161-96-	Yellow	RR	R	R	R
UR-171-96-	Light Orange	RR	R	R	R
UR-404-96-	Sapphire	RR	R	R	R
UR-424-96-*	Cobalt Blue	RR	R	R	R
UR-476-96-	Neon Orchid	UU	U	U	U
UR-611-96-*	Lt. Cherry Red	RR	R	R	R
UR-612-96-*	Grenadine Red	RR	R	R	R
UR-707-96-	Citron	RR	R	R	R
UR-774-96-	Ming Green	RR	R	R	R
UR-906-96-	Straw	RR	R	R	R
UR-1102-96-	Pale Amber	RR	R	R	R
UR-1108-96-	Medium Amber	RR	R	R	R
UR-1308-96-	Pale Blue	RR	R	R	R
UR-1408-96-	Pale Purple	RR	R	R	R
UR-1702-96-*	Strikes Tangerine	RR	R	R	R
UR-1808-96-	Pale Gray	RR	R	R	R
UR-2222-96-	Pastel Green	RR	R	R	R
UR-2382-96-	Alpine Blue	RR	R	R	R
UR-5181-96-	Bronze	RR	R	R	R
UR-5232-96-	Teal Green	RR	R	R	R
UR-5238-96-	Hunter Green	RR	R	R	R
UR-5262-96-	Moss Green	RR	R	R	R
UR-5281-96-	Sea Green	RR	R	R	R
UR-5284-96-	Olive	RR	R	R	R
UR-5331-96-	Sky Blue	RR	R	R	R
UR-5333-96-	Deep Aqua	RR	R	R	R
UR-5342-96-	Violet	RR	R	R	R
UR-5384-96-	Steel Blue	RR	R	R	R
UR-5386-96-	Navy Blue	RR	R	R	R
UR-5432-96-	Grape	RR	R	R	R
UR-5911-96-	Pink Champagne	RR	R	R	R
UR-7312-96-*	Lime	RR	R	R	R

**New colors.

Each color may be purchased in powder form, or three different sizes of frit. Neatly packaged in transparent bottles for easy color recognition and storage. Net wt. 8.5 oz. (241g).

When ordering frits, specify grain size by adding the numbers below to the end of the color code.

- Powder size (-01)** .005 - .01" (.13 - .25mm)
- Fine Frit (-02)** .01 - .03" (.25 - .75mm)
- Medium Frit (-03)** .03 - .1" (.75 - 2.5mm)
- Coarse Frit (-05)** .1 - .3" (2.5 - 7.6mm)

UROBOROS SYSTEM 96 FRIT Cont.

When ordering frits, specify grain size by adding the numbers identified above to the end of the color code.

Cat. No. Color		Powder-01	Fine-02	Med.-03	Coarse-05
96 IRIDESCENT		Add suffix (01, 02, 03 or 05) to Cat. Nos.			
UR-00-96- IR	Clear Iridescent	n/a	n/a	R	R
UR-56-96- IR	Black Iridescent	n/a	n/a	T	T
UR-015-96- IR	Urobium Pink Irid.	n/a	n/a	V	V
UR-402-96- IR	Aqua Blue Irid.	n/a	n/a	T	T
UR-476-96- IR	Neon Orchid Irid.	n/a	n/a	V	V
UR-707-96- IR	Citron Iridescent	n/a	n/a	T	T
UR-774-96- IR	Ming Green Irid.	n/a	n/a	T	T
UR-906-96- IR	Straw Iridescent	n/a	n/a	T	T
96 DICHROIC					in 2 oz. tubes.
11164-965	Clear Dichroic	n/a	n/a	n/a	
96 OPAL FRIT					
UR-29-96-	Cherry Blossom	UU	U	U	U
UR-070-96-	Cloud	RR	R	R	R
UR-200-96-	White	RR	R	R	R
UR-209-96-	Firelight	RR	R	R	R
UR-355-96-	Marigold	RR	R	R	R
UR-421-96-	Riviera	RR	R	R	R
UR-520-96-	Plum	RR	R	R	R
UR-602-96-	Flame	RR	R	R	R
UR-755-96-	Fern Green	RR	R	R	R
UR-782-96-	Olive Green	RR	R	R	R
UR-2101-96-*	Ivory	RR	R	R	R
UR-2107-96-	Almond	RR	R	R	R
UR-2114-96-*	Chestnut	RR	R	R	R
UR-2161-96-*	Khaki	RR	R	R	R
UR-2181-96-*	Stone	RR	R	R	R
UR-2206-96-	Dark Green	RR	R	R	R
UR-2232-96-	Turquoise Green	RR	R	R	R
UR-2264-96-	Amazon Green	RR	R	R	R
UR-2302-96-	Med. Blue	RR	R	R	R
UR-2306-96-	Cobalt Blue	RR	R	R	R
UR-2334-96-	Turquoise Blue	RR	R	R	R
UR-2335-96-*	Marine Blue	RR	R	R	R
UR-2342-96-	Cotton Candy Grape	VV	V	V	V
UR-2402-96-	Mauve	RR	R	R	R
UR-2404-96-	Lilac	RR	R	R	R
UR-2502-96-	Red	RR	R	R	R
UR-2602-96-	Yellow	RR	R	R	R
UR-2672-96-	Sunflower	RR	R	R	R
UR-2702-96-	Orange	RR	R	R	R
UR-2902-96-	Cotton Candy Pink	VV	V	V	V
UR-2911-96-	Champagne	RR	R	R	R

UROBOROS SYSTEM 96 ^{NEW!} CASTING FRIT

8.5 oz (240g) jars. Larger "coarse" frit pieces. The larger size makes them ideally suited for mosaic work and especially good for casting. The result is more transparent than the typical matte result from finer frit.

Cat. No.	Description	Price Code
UR-00-96-07-IR	Clear Irid	R
UR-00-96-074	Clear Irid 4 lbs.	n/a
UR-56-96-07	Black	R
UR-56-96-07-IR	Black Irid	T
UR-125-96-07	Dk. Green Transparent	R
UR-132-96-07	Lt. Blue Transparent	R
UR-146-96-07	Deep Purple Transparent	R
UR-151-96-07	Cherry Red Transparent	R
UR-161-96-07	Yellow Opal	R
UR-171-96-07	Lt. Orange Transparent	R
UR-200-96-07	White Opal	R
UR-355-96-07	Marigold Opal	R
UR-402-96-07-IR	Aqua Blue Irid Transparent	T
UR-421-96-07	Riviera Blue Opal	R
UR-755-96-07	Fern Green Opal	R
UR-1108-96-07	Medium Amber Transparent	R
UR-2206-96-07	Dk. Green Opal	R
UR-2306-96-07	Cobalt Blue Opal	R
UR-2502-96-07	Red Opal	R
UR-2602-96-07	Yellow Opal	T
UR-2702-96-07	Orange Opal	R
UR-4769-96-07	Neon Orchid Transparent	U
UR-5181-96-07	Bronze Transparent	R
UR-5232-96-07	Teal Green Transparent	R
UR-5262-96-07	Moss Green Transparent	R
UR-5331-96-07	Sky Blue Transparent	R

AQUA GLOW



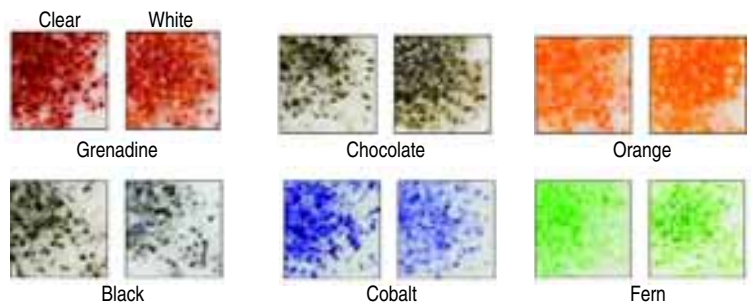
Glow frit is the latest fun addition for glass blowers and fusers. It glows a beautiful aqua blue color in the dark after being exposed to light. Ready to be incorporated into your blowing or fusing project. This frit is not screened for size and will contain a variety of chunk sizes from 1/4" (6mm) and smaller. Sold in 1/2 lb. jars.

- Cat. No. 74501** - Clear Base Aqua Glow, 90 C.O.E.
- Cat. No. 74502** - Pink Base Aqua Glow, 90 C.O.E.
- Cat. No. 74503** - Orange Base Aqua Glow, 90 C.O.E.
- Cat. No. 745031** - Green Base Aqua Glow, 90 C.O.E.
- Cat. No. 745032** - Blue Base Aqua Glow, 90 C.O.E.
- Cat. No. 74504** - Clear Base Aqua Glow, 96 C.O.E.
- Cat. No. 74505** - Pink Base Aqua Glow, 96 C.O.E.
- Cat. No. 74506** - Orange Base Aqua Glow, 96 C.O.E.
- Cat. No. 74507** - Cherry Base Aqua Glow, 96 C.O.E.
- Cat. No. 74508** - Clear Base Aqua Glow, 104 C.O.E. [1/4 lb. pack (113 gm)]

UROBOROS SYSTEM 96 ^{NEW!} DUALTONE FRIT

DualTone Frit is made from mixed-color glass, for enhanced variation and natural shading. Compatible throughout the System 96 family. 8.5 oz jars.

Cat. No.	Color	Powder-01	Fine-02	Med.-03	Coarse-05
		Add suffix (01, 02, 03 or 05) to Cat. Nos.			
UR-6120-96-	Grenadine/Clear	RR	R	R	R
UR-6125-96-	Grenadine/White	RR	R	R	R
UR-5000-96-	Chocolate/Clear	RR	R	R	R
UR-5005-96-	Chocolate/White	RR	R	R	R
UR-2700-96-	Orange/Clear	RR	R	R	R
UR-2705-96-	Orange/White	RR	R	R	R
UR-5600-96-	Black/Clear	RR	R	R	R
UR-5605-96-	Black/White	RR	R	R	R
UR-4240-96-	Cobalt/Clear	RR	R	R	R
UR-4245-96-	Cobalt/White	RR	R	R	R
UR-7550-96-	Fern/Clear	RR	R	R	R
UR-7555-96-	Fern/White	RR	R	R	R



REDUCTION FRIT

A thin application of Reduction Frit works well with 96 C.O.E. and is widely used with 104 C.O.E. (Effetre & Lauscha) for beadmaking. Nebula Black strikes to many other colors such as greens, blues, iridescent hues and more. It all depends on how much heat is applied. All are sold in 2 oz. bottles. All frit sizes are Medium except Cat. Nos. 74362 & 743912, 783914 and 783917 are Fine.





Bullseye frits and powders are made from crushed, screened and cleaned Bullseye compatible sheet glass. Packaged in wide-mouth 1 lb. jars. (5 lb. jars available by Special Order only.) PLEASE SPECIFY 1 LB. OR 5 LB. JARS WHEN ORDERING.

FRITS - When ordering, specify grain size by adding the following numbers to the end of the color code:

- 01 = Fine (0.2 - 1.2mm)
- 02 = Medium (1.2 - 2.7mm)
- 03 = Coarse (2.7 - 5.2mm)
- 08 = Powder

NOTE: BE1401 Crystal Clear is a non-lead crystal with negligible iron content. It is especially appropriate for kiln-casting where clarity in thick sections is important. Extra Large size is also available in Crystal Clear only.

Color Code	Description	Price Code	
		-01, -02, -03	-08
BE-0024-	Tomato Red Opal	CC	CC*
BE-0025-	Tangerine Opal	CC	CC*
BE-0034-	Lt. Peach Cream Opal	CC	CC*
BE-0100-	Black Opal	CC	CC*
BE-0101-	Stiff Black	CC	CC*
BE-0108-	Powder Blue Opal	BB	BB*
BE-0112-	Mint Green Opal	BB	BB*
BE-0113-	White Opal	BB	BB*
BE-0114-	Cobalt Blue Opal	BB	BB*
BE-0116-	Turquoise Blue Opal	BB	BB*
BE-0120-	Canary Yellow Opal	CC	CC*
BE-0124-	Red Opal	CC	CC*
BE-0125-	Orange Opal	CC	CC*
BE-0126-	Spring Green Opal	CC	CC*
BE-0132-	Driftwood Grey	BB	BB*
BE-0136-	Deco Grey Opal	BB	BB*
BE-0137-	French Vanilla Opal	BB	BB*
BE-0138-	Marzipan Opal Striker	DD	DD*
BE-0141-	Forest Green Opal	BB	BB*
BE-0142-	Neo-Lavender Opal	EE	EE*
BE-0144-	Teal Green Opal	BB	BB*
BE-0145-	Jade Green Opal	BB	BB*
BE-0146-	Steel Blue Opal	BB	BB*
BE-0147-	Cobalt Blue Opal	CC	CC*
BE-0164-	Egyptian Blue Opal	BB	BB*
BE-0203-	Brown Opal	CC	CC*
BE-0212-	Olive Green Opal	BB	BB*
BE-0216-**	Lt. Cyan Opal	BB	BB*
BE-0220-	Sunflower Yellow Opal	CC	CC*
BE-0225-	Pimento Red Opal	CC	CC*
BE-0227-**	Golden Green Opal	CC	CC*
BE-0243-	Transparent White	CC	CC*
BE-0301-	Pink Opal	EE	EE*
BE-0303-	Dusty Lilac Opal	CC	CC*
BE-0305-	Salmon Pink Opal	EE	EE*
BE-0309-	Cinnabar Opal	DD	DD*
BE-0313-	Dense White Opal	CC	CC*
BE-0320-	Marigold Yellow Opal	CC	CC*
BE-0321-	Pumpkin Orange Opal	CC	CC*
BE-0334-	Gold Purple Opal	GG	GG*
BE-0337-**	Butterscotch Opal	CC	CC*
BE-0421-	Petal Pink Opal	EE	EE*
BE-1101-	Clear Transparent	AA	AA*
BE-1101-	5 lbs. Clear Transparent	suffix -015, -025, -035 -085	
BE-1105-	Deep Plum Transparent	BB	BB*
BE-1107-	Light Green Transparent	BB	BB*
BE-1108-	Marine Blue Transparent	BB	BB*

Color Code	Description	Price Code	
		-01, -02, -03	-08
BE-1109-	Dk. Rose Brown Transparent	BB	BB*
BE-1112-	Aventurine Green Transparent	BB	BB*
BE-1114-	Deep Royal Blue Transparent	BB	BB*
BE-1116-	Turquoise Blue Transparent	BB	BB*
BE-1118-	Midnight Blue Transparent	BB	BB*
BE-1119-	Sienna Transparent	CC	CC*
BE-1120-	Canary Yellow Transparent	CC	CC*
BE-1122-	Red-Orange Transparent	CC	CC*
BE-1125-	Orange Transparent	CC	CC*
BE-1126-	Chartreuse Transparent	CC	CC*
BE-1128-	Deep Royal Purple Transparent	BB	BB*
BE-1129-	Charcoal Grey Transparent	BB	BB*
BE-1137-	Medium Amber Transparent	BB	BB*
BE-1141-	Olive Green Transparent	BB	BB*
BE-1145-	Kelly Green Transparent	BB	BB*
BE-1215-	Lt. Transparent Pink Striker	EE	EE*
BE-1234-	Violet Striker Transparent	GG	GG*
BE-1241-**	Pine Green Transparent	BB	BB*
BE-1305-	Sunset Coral Transparent	GG	GG*
BE-1311-	Cranberry Pink Transparent	GG	GG*
BE-1320-	Marigold Yellow Transparent	CC	CC*
BE-1321-	Carnelian Transparent	FF	FF*
BE-1322-	Garnet Red Transparent	GG	GG*
BE-1332-	Fuchsia Transparent	FF	FF*
BE-1334-	Gold Purple Transparent	GG	GG*
BE-1401-	Crystal Clear Transparent	BB	BB*
BE-1401-	5 lbs. Crystal Clear Transparent	suffix -015, -025, -035 -085	
BE-1405-	Light Plum Transparent	BB	BB*
BE-1406-	Lt. Steel Blue Transparent	BB	BB*
BE-1408-	Light Aquamarine Blue Transparent	BB	BB*
BE-1409-	Light Bronze Transparent	BB	BB*
BE-1412-	Lt. Aventurine Green Transparent	BB	BB*
BE-1414-	Light Sky Blue Transparent	BB	BB*
BE-1416-**	Lt. Turquoise Transparent	BB	BB*
BE-1417-	Emerald Green Transparent	BB	BB*
BE-1426-	Lime Green Transparent	BB	BB*
BE-1428-	Light Violet Transparent	BB	BB*
BE-1429-	Silver Grey Transparent	BB	BB*
BE-1437-	Pale Amber Transparent	BB	BB*
BE-1439-	Khaki Transparent	BB	BB*
BE-1442-	Neo-Lavender Transparent	EE	EE*
BE-1449-	Oregon Gray Transparent	BB	BB*
BE-1464-**	True Blue Transparent	BB	BB*
BE-1806-	Juniper Blue Transparent	BB	BB*
BE-1807-	Grass Green Transparent	BB	BB*
BE-1808-	Aqua Blue Transparent	CC	CC*
BE-1818-	Indigo Tint Transparent	CC	CC*
BE-1820-	Pale Yellow Transparent	DD	DD*
BE-1821-	Erbium Pink Transparent	GG	GG*
BE-1823-	Burnt Scarlet Tint Transparent	GG	GG*
BE-1824-	Ruby Red Tint Transparent	GG	GG*
BE-1826-	Green Tea Tint Transparent	CC	CC*
BE-1827-	Light Amber Tint Transparent	CC	CC*
BE-1829-	Gray Tint Transparent	CC	CC*
BE-1831-	Ruby Pink Tint Transparent	GG	GG*
BE-1834-	Coral Orange Tint	DD	DD*
BE-1837-	Med. Amber Tint	CC	CC*
BE-1838-	Dark Amber Tint	CC	CC*
BE-1841-	Spruce Green	BB	BB*
BE-1842-	Neo-Lavender Shift	EE	EE*
BE-1859-	Rhubarb Pink/Green	GG	GG*
BE-1864-**	Gray Blue Tint	CC	CC*
BE-1867-**	Olive Smoke Tint	CC	CC*

**New colors.



NEW

FRIT MAKER - Cat. No. 15350

Make an assortment of frit and powder from scrap glass. Heavy duty all steel glass crusher, a two piece mortar and pestle will produce a batch of frit in 20 to 30 seconds. The crushed glass makes a full assortment of frit from powder to coarse. Accessory Frit Sorter/Sifter #15351 will sort out the crushed batch into 4 sizes from 5.20mm to .20 powder. It affords the opportunity to re-crush the larger frit to smaller sizes if desired.



NEW

FRIT SIFTER - Cat. No. 15351

Pays for itself using scrap glass to make frit! A four piece sifter set. Each individual sifter has a different mesh. Sifters nest with the largest mesh screen on top and progressively smaller screens follow to the bottom. Scrap glass is crushed with the mortar and pestle Frit Maker #15350. Produces frit from coarse (5.2mm) to powder (.20mm). If more small frit is required, the coarse sizes may be recrushed.



NEW

DIGITAL POCKET SCALE

Cat. No. 91402

Pocket scale convenient for accurately weighing glass for small projects. Overall dimensions are: 4" x 3" x .75" and platform dimensions are 2.6" x 1.8". Comes with two AAA batteries and a 5 year limited warranty. Capacity is 400g (14.11 oz.). The blue backlit LCD display is easy to recalibrate to ensure accurate weighing. It also has an automatic shut-off feature to help ensure long battery life. The removable protective cover doubles as a tray.



POWDER VIBE **NEW**

Cat. No. 152745

For quick, mess-free precise Enamel Powder application and control. Cover tip, fill with powder, slowly slide cap on.

Attaches magnetically to vibrating mechanism. Push button to start flow, release to stop. Powder flows out when vibrated. Powder instantly fuses when dropped onto hot glass. Use a different tube for every color.

UROBOROS SYSTEM 96 CONFETTI

4 oz. jars of blown glass confetti in 10 great single colors and a Mini Mardi Gras Mix (when one color won't do). Start a party in your kiln!

- URCN-520 Plum Opal
- URCN-596 Blue Green
- URCN-0596 White Opal
- URCN-1596 Purple
- URCN-2114 Chestnut Opal
- URCN-3096 Forest Green
- URCN-6296 Burgundy
- URCN-10096 Gold Pink
- URCN-35696 Lemon Yellow Opal
- URCN-42496 Cobalt Blue
- URCN-60296 Flame Opal
- URCN-70496 Yellow Green
- URCN-MGM96 Mardi Gras Mix



BULLSEYE CONFETTI - Tested Compatible

Paper-thin shards of blown glass. Packaged in 4 oz. jars of a single color. 1 lb. jars are available by Special Order Only. The Minimix comes in 8 oz. jars of mixed confetti colors.

Color Code Description





















- BE0100-84 Black Confetti
- BE0113-84 White Opal Confetti
- BE0114-84 Cobalt Blue Opal Confetti
- BE0117-84 Leaf Green Opal Confetti
- BE0120-84 Canary Yellow Opal Confetti
- BE0124-84 Red Opal Confetti
- BE0125-84 Orange Opal Confetti
- BE0301-84 Pink Opal Confetti
- BE1108-84 Marine Blue Cathedral Confetti
- BE1112-84 Aventurine Green Confetti
- BE1128-84 Purple Cathedral Confetti
- BE1311-84 Pink Cathedral Confetti
- BE1401-84 Crystal Clear Confetti
- BE1412-84 Lt. Aventurine Green Confetti
- BE8419-84 Minimix Confetti



BE8419-84

New Size! 96 C.O.E. FRACTURES from GT GLASSWORKS **NEW**

GT Glassworks has met the demand for "96" C.O.E. Fractures. 4 oz. containers.

									
Soft Turquoise 74374	Plum Blush 74375	Grape 74376	Cobalt Blue 74377	Cherry Red 74378	Pumpkin 74379	Emerald City 743701	Clear Gold 743702	Amethyst 743703	Fall Mix 743704
									
Winter Mix 743705	Spring Mix 743706	Summer Mix 743707	Honey 743708	Carnation 743709	Mountain Pine Opaque 743710	Fiesta Mix 743711	Wildflower Mix 743712	Blue Green Mix 743713	Sticks & Leaves Mix 743714



UROBOROS NOODLES & STRINGERS

Noodles resemble the familiar pasta fettuccini. 5mm width makes them suitable for creating attractive imagery. They can be pre-formed using a candle or torch, and used in beads, stacked with stringers, fused to create Murrini, overlapped, woven and tack fused to create baskets, etc. Edges are fire polished.

Noodles: 5mm wide x 1mm thick, 445mm long (17.5"). Approx. 13 pcs. in each tube.

Stringer: 1mm diameter x 445mm long (17.5"). Approx. 52 pieces in each tube.

Both: 5 oz. net wt. (142 grams) packed in a transparent plastic tube.

UROBOROS MIXED NOODLES & STRINGERS

Cat. No. URNS90 (C.O.E. 90) Cat. No. URNS96 (C.O.E. 96)

Convenient 1 lb. Packages of mixed colors of Uroboros Noodles and Stringers. Available in either 90 C.O.E. or 96 C.O.E. Length approx. 17" (432mm). Limited availability.

BULLSEYE GLASS STRINGERS - Bullseye Compatible

Cat. No. 4955-

Colored glass threads form easily, even over a candle flame. Uses include fine line striping on flat sheets or bowls. A versatile and essential fusing material. Single color of glass drawn into strands. Wash and coat with Spray "A" (Cat. No. 4824) before fusing. Red, Orange, Yellow and Lime Green change intensity (e.g. Yellow becomes very bright) when fired. Packaged by volume in 3/4" (19mm) diameter, 18" (457mm) long plastic tubes. Stringers measure 0.7 to 1.2mm in diameter. (2mm also available by special order.) Approximately 168 pieces per tube for most colors. Stringers are approximately 17.5" long. Contents of an 18" (457mm) tube will spread across an 11" x 17-1/2" (279 x 445mm) surface. **Net Weight:** 6.4 oz. (Except Cranberry Stringers - Net Wt. 4.5 oz.).

BULLSEYE STRINGERS

Cat. No.	Description	Cat. No.	Description
4955-0013*	Opaque White	4955-1112	Dark Green
4955-0100	Black Opal	4955-1114	Cobalt Blue Cathedral
4955-0108	Powder Blue Opal	4955-1116	Med. Turquoise Cath.
4955-0112	Mint Green	4955-1118	Midnight Blue
4955-0113	White Opal	4955-1128	Dark Purple Cathedral
4955-0114	Cobalt Blue Opal	4955-1137	Medium Amber Cath.
4955-0116	Turquoise Opal	4955-1141	Olive Green Cathedral
4955-0120	Canary Yellow Opal	4955-1145	Kelly Green Cathedral
4955-0124	Red Opal	4955-1234	Violet Striker
4955-0125	Orange Opal	4955-1305	Sunset Coral
4955-0126	Spring Green Opal	4955-1311	Cranberry Pink Cath.
4955-0136	Deco Grey Opal	4955-1406	Steel Blue
4955-0141	Forest Green	4955-1408	Lt. Aquamarine Blue
4955-0142	Neo-Lavender Opal	4955-1409	Light Bronze
4955-0144	Teal Green Opal	4955-1412	Aventurine Green Cath.
4955-0145	Jade Green Opal	4955-1414	Light Sky Blue
4955-0147	Deep Cobalt Blue Opal	4955-1417	Emerald Green Cath.
4955-0212	Olive Green	4955-1426	Spring Green Cathedral
4955-0217	Green Gold	4955-1429	Light Silver Gray
4955-0220	Sunflower Yellow Opal	4955-1442	Neo-Lavender Cath.
4955-0301	Pink Opal	4955-1807	Grass Green
4955-0321	Pumpkin Orange	4955-1808	Aqua Blue
4955-0329*	Burnt Orange	4955-1820	Pale Yellow
4955-0334	Purple Opal	4955-1821	Erbium Pink
4955-0337*	Butterscotch	4955-1834	Coral Orange
4955-0421*	Petal Pink	4955-1841	Spruce Green
4955-1101	Clear Cathedral	4955-1842	Lt. Neo-Lavender Shift
4955-1107	Medium Green Cath.	4955-1859	Rhubarb Pink/Green Shift
4855-1108	Marine Blue Cathedral	4955-ASST	Assorted Colors
4955-1109	Dark Rose Brown		

UROBOROS SYSTEM "96" NOODLES & STRINGERS
C.O.E.: 96 x 10⁻⁷°C

Noodles		Stringers
Cat. No.	Description	Cat. No.
URN-M-96	Mardi Gras Mix	URS-M-96
URN-00-96	Clear	URS-00-96
URN-00-96D	Clear Rainbow Dichroic	n/a
URN-56-96	Black	URS-56-96
URN-56-96D	Black Rainbow Dichroic	n/a
URN-107-96	Almond Opal	n/a
URN-111-96*	Dk. Amber Transparent	URS-111-96*
URN-125-96	Dark Green	URS-125-96
URN-136-96	Dark Blue	URS-136-96
URN-146-96	Purple	URS-146-96
URN-151-96	Cherry Red	URS-151-96
URN-161-96*	Yellow	URS-161-96*
URN-171-96	Light Orange	URS-171-96
URN-200-96	White Opal	URS-200-96
URN-240-96	Mauve Opal	n/a
URN-355-96*	Marigold Opal	n/a
URN-602-96*	Flame Opal	URS-602-96*
URN-755-96*	Fern Green Opal	URS-755-96*
URN-782-96*	Olive Green Opal	URS-782-96*
URN-1108-96	Medium Amber	URS-1108-96
URN-2206-96*	Dk. Green	URS-2206-96*
URN-2264-96	Amazon Green	URS-2264-96
URN-2302-96*	Med. Blue Opal	URS-2302-96*
URN-2306-96*	Cobalt Blue Opal	URS-2306-96*
URN-2334-96	Turquoise Blue	URS-2334-96
URN-2502-96	Red Opal	URS-2502-96
URN-2602-96	Yellow Opal	URS-2602-96
URN-2702-96	Orange Opal	URS-2702-96
URN-5262-96	Moss Green	URS-5262-96
URN-5281-96*	Sea Green Transparent	URS-5281-96*
URN-5284-96*	Olive Green	URS-5284-96*
URN-5333-96	Deep Aqua	URS-5333-96

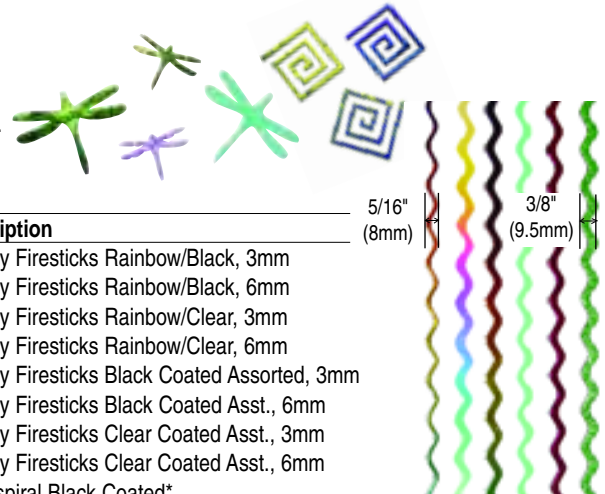
UROBOROS SYSTEM "90" NOODLES & STRINGERS
C.O.E.: 90 x 10⁻⁷°C

Noodles		Stringers
Cat. No.	Description	Cat. No.
URN-00-90	Clear	URS-00-90
URN-00-90D	Clear Rainbow Dichroic	n/a
URN-05-90	White Opal	URS-05-90
URN-56-90	Black	URS-56-90
URN-56-90D	Black Rainbow Dichroic	n/a
URN-351-90	Marigold Opal	URS-351-90
URN-403-90	Cobalt Blue	URS-403-90
URN-417-90	Peacock Blue Noodles	URS-417-90
URN-501-90	Plum	URS-501-90
URN-604-90	Red Opal	URS-604-90
URN-700-90	Emerald Green	URS-700-90
URN-703-90	Lime Green	URS-703-90
URN-726-90*	Apple Jade Green Opal	URS-726-90*
URN-761-90*	Oasis Green Opal	URS-761-90*
URN-773-90*	Spearmint	URS-773-90*
URN-775-90	Hunter Green	URS-775-90
URN-901-90	Golden Amber	URS-901-90
URN-905-90*	Root Beer	URS-905-90*
URN-6071-90*	Vermillion	URS-9071-90*
URN-M-90	Mardi Gras Mix	URS-M-90

*New colors

DICHOIC PRECUT FIRESTICKS, FIRESPIRALS AND DRAGONFLIES

The precut pieces come in 90 C.O.E. and 96 C.O.E. in both clear and black coated dichroic. Now it's easier than ever to add extra flair to a fused project. (Sold in packs of 5.)



90 C.O.E.

Cat. No.	Description
495401	Wavy Firesticks Rainbow/Black, 3mm
495402	Wavy Firesticks Rainbow/Black, 6mm
495403	Wavy Firesticks Rainbow/Clear, 3mm
495404	Wavy Firesticks Rainbow/Clear, 6mm
495405	Wavy Firesticks Black Coated Assorted, 3mm
495406	Wavy Firesticks Black Coated Asst., 6mm
495407	Wavy Firesticks Clear Coated Asst., 3mm
495408	Wavy Firesticks Clear Coated Asst., 6mm
495409	Firespirals Black Coated, 1-3/8 x 1-1/4" (32 x 35mm)
495410	Firespirals Clear Coated, 1-3/8 x 1-1/4" (32 x 35mm)
495411	Dragonfly Large Black Coated, 1-1/4 x 1-3/8" (35 x 32mm)
495412	Dragonfly Large Clear Coated, 1-1/4 x 1-3/8" (35 x 32mm)
495413	Dragonfly Small Black Coated, 7/8 x 1-3/8" (22 x 35mm)
495414	Dragonfly Small Clear Coated, 7/8 x 1-3/8" (22 x 35mm)
495415	Square Firespirals, Black Coated, 1-5/16" x 1-3/16" (33 x 30mm)
495416	Square Firespirals, Clear Coated, 1-5/16" x 1-3/16" (33 x 30mm)

96 C.O.E.

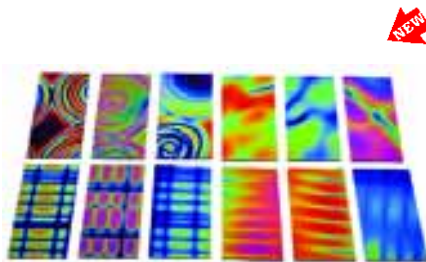
Cat. No.	Description
489501	Wavy Firesticks Rainbow/Black, 3mm
489502	Wavy Firesticks Rainbow/Black, 6mm
489503	Wavy Firesticks Rainbow/Clear, 3mm
489504	Wavy Firesticks Rainbow/Clear, 6mm
489505	Wavy Firesticks Black Coated Assorted, 3mm
489506	Wavy Firesticks Black Coated Asst., 6mm
489507	Wavy Firesticks Clear Coated Asst., 3mm
489508	Wavy Firesticks Clear Coated Asst., 6mm
489509	Firespirals Black Coated*
489510	Firespirals Clear Coated*
489511	Dragonfly Large Black Coated*
489512	Dragonfly Large Clear Coated*
489513	Dragonfly Small Black Coated*
489514	Dragonfly Small Clear Coated*
489515	Square Firespirals Black Coated*
489516	Square Firespirals Clear Coated*

5/16" (8mm) | 3/8" (9.5mm)

NOTE: All Firesticks are 16" (406mm) long.



*See 90 C.O.E. column for sizes.



DICHROMAGIC TIE-DYE COMBO SETS

- Cat. No. 1117696B - Black 96
 - Cat. No. 1117696C - Clear 96
 - Cat. No. 1117690B - Black 90
 - Cat. No. 1117690C - Clear 90
- Twelve 2" x 4" Pieces, 3 Of Each Style,
Thin Black Or Clear 90 Or 96 C.O.E.

FUSIBLE DICHOIC STRIPS

Conveniently sized and affordably priced. DichroMagic™ dichroic strips in popular fusing C.O.E. specifications. Random selection of colors and textures. (See pages B13, 14 & K112-K125 for additional dichroic glass.)

SPECIFY CLEAR OR BLACK—

Color on Texture	C.O.E.
Cat. No. 11164-96	2.5" x 8" Smooth or Textured DichroMagic™ 96.0
Cat. No. 11164-90	2.5" x 8" Smooth or Textured DichroMagic™ 90.0
Cat. No. 11164-104	2.5" x 8" Smooth or Textured DichroMagic™ 104.0

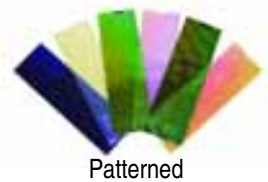


Color on Texture *Thicker Coating*

Cat. No. 11165-96	2.5" x 8" Smooth or Textured DichroMagic™ 96.0
Cat. No. 11165-90	2.5" x 8" Smooth or Textured DichroMagic™ 90.0
Cat. No. 11165-104	2.5" x 8" Smooth or Textured DichroMagic™ 104.0

Laser Etched Patterns on Smooth

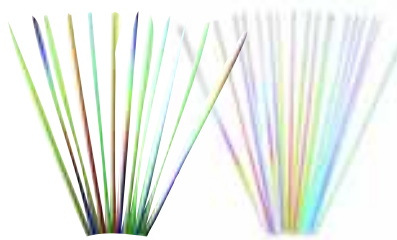
Cat. No. 1116491	2.5" x 8" Patterned DichroMagic™ 90.0
Cat. No. 1116492	2.5" x 8" Patterned DichroMagic™ 96.0



BULLSEYE SIZZLE STIX

2mm Dichroic sheet glass strips. Packaged the same as Bullseye Stringers (Cat. No. 4955-).

1/4" (WIDE)	1/8" (NARROW)
12 strips per tube.	18 strips per tube.
BLACK - Cat. No. 1653B	BLACK - Cat. No. 1654B
CLEAR - Cat. No. 1653C	CLEAR - Cat. No. 1654C

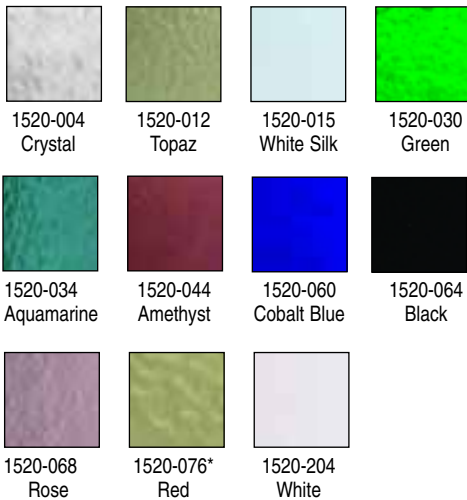


1653B

1654C

EFFETRE SHEET GLASS - Tested 104 C.O.E. FUSIBLE

Effetre Sheet Glass is made from the same melt as the famous Effetre rods. A soft, long-working glass ideal for lampworking or fusing. The following styles of Effetre sheet glass are tested 104 C.O.E. and are compatible with Millefiori rods and slices and all Effetre rods (except the alabaster colors). Even though these sheets are made from the same batch as the rods, we strongly recommend testing for compatibility.



NOTE: *Red is a striking color which starts as a Pale Amber, and when fired, strikes a beautiful Cherry Red tone.

ORDERING INFORMATION - Sold by the sheet.

Moretti Sheet Size:

- ❖ Measures approximately 19-1/2" x 19-1/2" (495mm)
- ❖ Thickness: Approximately 3mm
- ❖ Weight per sheet: Approximately 4.5 lbs. (2Kg)

See page B21 for Effetre Stringers and B18-B20 for Effetre Rods.

FUSIBLE SHAPES & CLUSTERS

Add flair to your designs with precut fusible holiday shapes & clusters.



HOLLY CLUSTER
11865 - 2 x 1-1/2"
(51 x 38mm) 90 C.O.E.



SHAMROCK CLUSTER
11866 - 2 x 1-1/2" (51 x 38mm) 90 C.O.E.
118571 - 2 x 1-1/2" (51 x 38mm) 96 C.O.E.



HOLLY WREATH CLUSTER
11867 - 3" diameter
(76mm) 90 C.O.E.



HEARTS (Set of 3)
11868 - 1" (25mm) 90 C.O.E.
11869 - 2" (51mm) 90 C.O.E.
118572 - 1" (25mm) 96 C.O.E.
118573 - 2" (51mm) 96 C.O.E.



WHITE STARS (Set of 3)
11870 - 1" (25mm) 90 C.O.E.
118574 - 1" (25mm) 96 C.O.E.



HOLLY LEAVES
11871 (Set of 6)
1" (25mm)
90 C.O.E.



GREEN IVY (Set of 3)
118575 - 1" (25mm)
96 C.O.E.

FUSIBLE BASES

Precut shapes of fusible glass. Bases are sold in packs of 3.



CLEAR CIRCLES
11853 - 2" (51mm) 90 C.O.E.
11854 - 3" (76mm) 90 C.O.E.
11872 - 2" (51mm) 96 C.O.E.
11873 - 3" (76mm) 96 C.O.E.



WHITE CIRCLES
11855 - 2" (51mm) 90 C.O.E.
11856 - 3" (76mm) 90 C.O.E.
11874 - 2" (51mm) 96 C.O.E.
11875 - 3" (76mm) 96 C.O.E.



CLEAR HEARTS
11859 - 2" (51mm) 90 C.O.E.
11860 - 3" (76mm) 90 C.O.E.
11877 - 2" (51mm) 96 C.O.E.
11878 - 3" (76mm) 96 C.O.E.



CLEAR CROSSES
11861
3" (76mm)
90 C.O.E.



CLEAR MALTESE CROSSES
11862 - 3" (76mm)
90 C.O.E.



CLEAR TALL TREES
11863 - 3" (76mm)
90 C.O.E.



CLEAR WIDE TREES
11864 - 3" (76mm) 90 C.O.E.
11879 - 3" (76mm) 96 C.O.E.



CLEAR STARS
11876 - 3" (76mm)
96 C.O.E.



CLEAR BUTTERFLIES
11880 - 3" (76mm)
96 C.O.E.

WASSER FUSIBLES C.O.E. 90 x 10⁻⁷°C

Firing Temperatures:

(~+5°F depending upon glass color and thickness.)
 Softening Point1240°F (677°C)
 Tack Fuse1285°F (696°C)
 Orton standard large cone 18(r/r 108°F)
 Full Fuse1340°F (727°C)
 Orton standard large cone 17(r/r 108°F)
 Annealing Temperature.....940°F (482°C)
 Shrinkage Initiation Temp.1360°F (738°C)
 Balling Formation Starts1450°F (788°C)
 Glass Lost/Shelf Intrusion.....1550°F (843°C)

Note:

- Recommended minimum soak time at full fuse temperature: None
- Recommended minimum soak time at annealing temperature (2-3 layers): 30 min.
- After annealing: Suggested cooling rate 10°/min. to 800° (472°), 15°/min. to 700° (371°C) and <20°/min. to room temperature.



STARS - 1" (25mm) - 150 per pkg.

1175708 - Red	1175712 - Green
1175709 - Blue	1175713 - Black
1175710 - Yellow	1175714 - Orange
1175711 - Purple	1175715 - White

STARS - 1/2" (13mm) - 200 per pkg.

1175716 - Red	1175720 - Green
1175717 - Blue	1175721 - Black
1175718 - Yellow	1175722 - Orange
1175719 - Purple	1175723 - White



CIRCLES - 1/2" (13mm) - 200 per pkg.

1175732 - Red	1175736 - Green
1175733 - Blue	1175737 - Black
1175734 - Yellow	1175738 - Orange
1175735 - Purple	1175739 - White

CIRCLES - 1/4" (6mm) - 200 per pkg.

1175740 - Red	1175744 - Green
1175741 - Blue	1175745 - Black
1175742 - Yellow	1175746 - Orange
1175743 - Purple	1175747 - White



Make your latest fusible art more fun with System 96 CutUps! (Compatible with 96 C.O.E. glass.)



1-3/4" BUTTERFLY

11150	Black Irid
11151	Clear Irid
11152	Marigold
11153	White



1-3/4" BLOB

11154	Amazon Green
111591	Black Irid
111592	Clear Irid
111593	Marigold
111594	Opaque Red
111595	Turquoise Blue



1-1/2" x 1-5/8" HEART

11155	Opaque Red
11156	Trans. Red
11157	White
1115120	Pink



2-3/4" x 1-3/4" LIGHTNING BOLT

11158	Black Irid
11159	Clear Irid
111598	Marigold
111599	White



2-1/4" x 2" MAPLE LEAF

1115100	Clear Irid
1115101	Marigold
1115102	Opal Red



1-1/2" DOVE

1115106	Clear Irid
1115107	White



2-1/4" x 1-3/4" FISH

1115108	Black Irid
1115109	Clear Irid
1115110	Yellow
1115111	White



1-7/8" x 1" CRESCENT

111596	Black Irid
111597	Clear Irid
1115105	White



3" x 1" SEAHORSE

1115103	Black Irid
1115104	Clear Irid
1115112	Champagne
1115113	Pink



1-1/2" x 1-1/4" SPIRAL

1115114	Black Irid
1115115	Clear Irid
1115116	Opaque Red



1-3/4" x 1-5/8" STAR

1115117	Black Irid
1115118	Clear Irid
1115119	White



GLASS HEART BLANKS, SYSTEM 96

Available in White and Cotton Candy Pink Opal, in 6" and 8" sizes. Packs of 6. They work perfectly with Heart Shaped Molds, Cat. Nos. 486429 (6") and 486430 (8") on Page A16.
Cat. No. 11172 - 6" White Heart
Cat. No. 11173 - 6" Pink Heart
Cat. No. 11174 - 8" White Heart
Cat. No. 11175 - 8" Pink Heart



SPECTRUM SYSTEM-96 CIRCLES

3mm thick precut glass 8" and 10" circles. Packs of 6.
Cat. No. SPDSF8B - 8" Black 1009SF
Cat. No. SPDSF8W - 8" White 200SF
Cat. No. SPDSF10B - 10" Black 1009SF
Cat. No. SPDSF10W - 10" White 1009SF



SYSTEM 96 ROUNDS

- Cat. No. SPDSF8 - 8" Rounds
- Cat. No. SPDSF10 - 10" Rounds
- Cat. No. SPDSF10DT - 10" Rounds, Double Thick
- Cat. No. SPDSF12 - 12" Rounds

Prepacked sets of clear machine rolled circles.
96 C.O.E. 6 per pack.



SYSTEM 96 PEBBLES™

Flat bottomed, round topped, uniform sized globs that make perfect design elements for fusers, and first-rate material for frit-casting molds. Each package contains 1/2 lb. of same-color Pebbles (about 100 pieces)

-  **Cat. No. 11161** Black
-  **Cat. No. 11162** Crystal Clear
-  **Cat. No. 11163** Grape
-  **Cat. No. 11164** Pale Purple
-  **Cat. No. 11165** Light Amber
-  **Cat. No. 11166** Light Green
-  **Cat. No. 11167** Orange
-  **Cat. No. 11168** Pale Amber
-  **Cat. No. 11169** Red
-  **Cat. No. 11170** Sky Blue
-  **Cat. No. 11171** White
-  **Cat. No. 11182*** Amazon Green Opal
-  **Cat. No. 11183*** Cotton Candy Pink Opal
-  **Cat. No. 11184*** Turquoise Blue Opal
-  **Cat. No. 11185*** Yellow Transparent
-  **Cat. No. 11186*** Pale Blue Transparent

*New Colors



NIPPITS™

- Cat. No. 111601 - Black Nippits™
- Cat. No. 111602 - Clear Nippits™
- Cat. No. 111603 - Mixed Nippits™

New System 96 Nippits™ are clean, uniformly-shaped strips of Tested Compatible glass at true bargain prices. Pieces are approx. 3-3/8" x 6" (86mm x 152mm). Package contains 5 lbs. of strips equaling approx. 22 pieces.



CLEAR CASTING PLATES

Cat. No. 111604

Achieve superior kiln casting results using Double-Thick System 96 plate glass. 10.5 lb. (4.5 kg) box of 5mm thick miscellaneous sized glass.



SPECTRUM CHIPS - 96 C.O.E.

1/2" Square 1/2 lb. bag of glass.



Cat. No.	Color	Cat. No.	Color
11C01	100 Clear	11C22	230.72 Opal Lt. Blue
11C02	1009 Black	11C23	234.72 Cotton Candy Grape Opal
11C03	110.2 Pale Amber	11C24	238.72 Opal Alpine Blue
11C04	110.8 Medium Amber	11C25	240.72 Opal Mauve
11C05	12 Light Green	11C26	240.74 SF Lilac Opal
11C06	125 Dark Green	11C27	250 Opal Red
11C07	132 Blue	11C28	260.72 SF Yellow Opal
11C08	136 Dark Blue	11C29	267.72 Opal Sunflower
11C09	140.0 Pale Purple	11C30	270 Opal Orange
11C10	142 Purple	11C31	290.72 Opal Cotton Candy Pink
11C11	151 Cherry Red	11C32	518.1 SF Bronze
11C12	161 Yellow	11C33	523.2 Teal Green
11C13	171 Light Orange	11C34	526.2 Moss Green
11C14	180.8 Pale Grey	11C35	528.1 SF Sea Green
11C15	200 Pale White	11C36	533.1 Sky Blue
11C16	210.72 Opal Almond	11C37	533.3 Deep Aqua
11C17	220.76 Opal Dk.	11C38	538.6 SF Navy Blue
11C18	222.72 Opal Paste Green	11C39	543 Grape
11C19	223.72 Opal Turquoise Green	11C40	IR/100 Clear Irid
11C20	226.74 Opal Amazon Green	11C41	IR/IR/1009 Black Irid
11C21	230.76 Dk. Blue Opal		

SYSTEM 96 ODDS & EVENS™

Cat. No. 11160

A colorful, factory-packed selection of Spectrum System 96 sheet glass aimed at fusers who want a nice selection of products at a great price. Each package contains 3 lbs. (approximately 2 sq. ft.) of System 96 sheet glass, all square cuts. All pieces are at least .25 sq. ft. in size; shortest side 4" (102mm), longest side 12"(305mm), with at least 4 different colors in every pack.



SPIRIT STRIPES

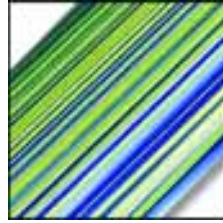
System 96® STRIPES are striated combinations of 3-4 colors, coordinated perfectly with each color in the Spirit family. Each STRIPE segment measures approximately 2"x12"(51 x 305mm) . Shrink wrapped in packs of 6, all the same color. For availability, please inquire.



49301
Murano



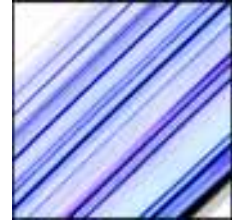
49302
Vienna



49303
Atlantis



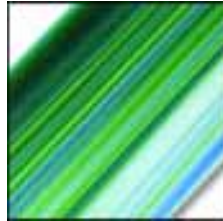
49304
Rio



49305
Valhalla



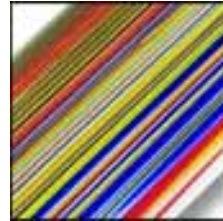
49306
Sedona



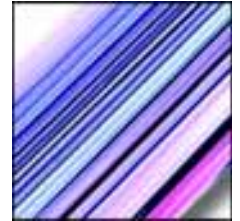
49307
Seattle



49308
Philly



49309
New Orleans



49310
Geneva

**SYSTEM 96 PROJECT KITS**

make it easy for anyone to enjoy glass fusing. The kits are self-contained and "ready to go" as individual, party, or workshop projects. Kits include all glass necessary to create the project plus shelf paper, Project Guide, cutting/nipping instructions (if applicable) and general safety tips.

**GLASS HANDPRINT**

Cat. No. 11PK01

Child's Glass Art Project Contents -
System 96 Tested Compatible Glass:
8-inch Clear Square Project Base
24 Assorted Pebbles
1.5 oz. Fine-particle Frit
6 x 6-inch 1/8-inch Fiber Paper
8.5 x 8.5-inch Kiln Shelf Paper
Safety Tips
Step-by-Step Project Guide
Materials Needed: Klyr-Fire Adhesive

**PARTY PLATTER**

Cat. No. 11PK02

Colorful 8-inch Tray
Contents-
System 96 Tested Compatible Glass:
8 x 8" White Project Base
6 Assorted Selected Colors
8.5 x 8.5" Kiln Shelf Paper
"Quick Tips" Glass Nipping Guide
Safety Tips
Step-by-Step Project Guide
Tools Needed: Glass Nippers

**RETRO SQUARES**

Cat. No. 11PK03

Decorative Tile
Contents -
System 96 Tested Compatible Glass:
8 x 8" Clear Project Base
5 Assorted Selected Colors
8.5 x 8.5" Kiln Shelf Paper
"Quick Tips" Glass Cutting Guide
Safety Tips
Step-by-Step Project Guide
Tools Needed: Glass Cutter



GLASSLINE FUSIBLE PAPER SHEETS

Glassline Paper is fusible paper with embedded Glassline Paint that is designed to be fired between two layers of glass. It may be used with any glass Coefficient of

Expansion. Sheets are easily cut with scissors or utility knife to create one-of-a-kind patterns. Available in six different styles: plain, splatter, crinkle, granite, sandstone and marble.

Cat. No. 49450 - 10-1/4" sheets/15 colors/plain texture

Cat. No. 49451 - 10-1/4" sheets/15 colors/splatter texture

Cat. No. 49452 - 10-1/4" sheets/15 colors/crinkle texture

Textures



5" x 5" sheets. Each package contains 1 sheet each of Plain, Crinkle and Splatter Designs.

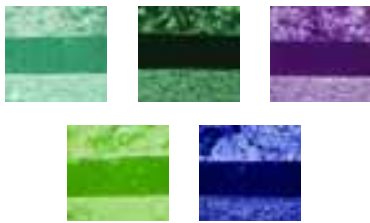
Cat. No.	Color
494561	Aqua
494562	Canary
494563	Caribbean
494564	Coral
494565	Cranberry
494566	Emerald
494567	Evergreen
494568	Flamingo
494570	Honey
494571	Iris
494572	Jade
494573	Peacock
494574	Pewter
494575	Sapphire
494576	Steel Blue
494577	Suede
494578	Tangerine
494579	Violet
494580	Walnut
494581	Wisteria

5" x 5" sheets. Each package contains 1 sheet each of Granite, Sandstone & Marble Designs.

Cat. No.	Color
4945615	Aqua
4945625	Canary
4945635	Caribbean
4945645	Coral
4945655	Cranberry
4945665	Emerald
4945675	Evergreen
4945685	Flamingo
4945705	Honey
4945715	Iris
4945725	Jade
4945735	Peacock
4945745	Pewter
4945755	Sapphire
4945765	Steel Blue
4945775	Suede
4945785	Tangerine
4945795	Violet
4945805	Walnut
4945815	Wisteria

Cat. No. 49453

5" x 5" sheets/5 colors/3 textures in each color; Caribbean, Evergreen, Iris, Jade, Sapphire; Plain, Crinkle, Splatter



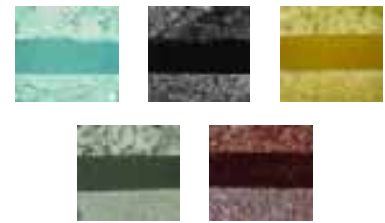
Cat. No. 49454

5" x 5" sheets/5 colors/3 textures in each color; Canary, Coral, Cranberry, Flamingo, Tangerine; Plain, Crinkle, Splatter



Cat. No. 49455

5" x 5" sheets/5 colors/3 textures in each color; Aqua, Graphite, Honey, Pewter, Walnut; Plain, Crinkle, Splatter



DICHRO-SLIDE™

Sheets of Dichroic coated paper are made with the same dichroic deposition technique used to make Dichroic Coated Glass. However, it has no Coefficient of Expansion, and therefore may be used with any glass.



The advantage is that intricate scissor or knife cuts may be made from the Coated Paper. There is little or no waste. All of the scrap is useable for unique designs. The same Decal technique is used to slide the image from the paper carrier. Several stunning color combinations are available.

- Cat. No. 49410** - 4" x 4" Magenta/Green (102mm)
- Cat. No. 49411** - 4" x 4" Blue/Gold
- Cat. No. 49412** - 4" x 4" Cyan/Copper
- Cat. No. 49413** - 4" x 4" High Cyan/Copper Red
- Cat. No. 49414** - 4" x 4" Clear/Red
- Cat. No. 49415** - 4" x 4" Rainbow



- Cat. No. 494103** - 8" x 8" Magenta/Green (203mm)
- Cat. No. 494113** - 8" x 8" Blue/Gold
- Cat. No. 494123** - 8" x 8" Cyan/Copper
- Cat. No. 494133** - 8" x 8" High Cyan/Copper Red
- Cat. No. 494143** - 8" x 8" Clear/Red
- Cat. No. 494153** - 8" x 8" Rainbow

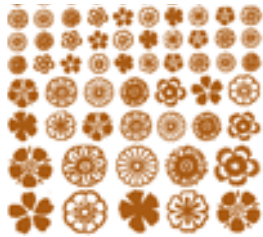
- Cat. No. 494105** - 16" x 16" Magenta/Green (406mm)
- Cat. No. 494115** - 16" x 16" Blue/Gold
- Cat. No. 494125** - 16" x 16" Cyan/Copper
- Cat. No. 494135** - 16" x 16" High Cyan/Copper Red
- Cat. No. 494145** - 16" x 16" Clear/Red
- Cat. No. 494155** - 16" x 16" Rainbow



Butterflies
484901

DECAL MAGIC GLASS ACCENTS - MINI GOLD DECALS

"Glass Accents" makes it simple to fire the elegance of real gold directly to glass creations. Apply these unique and intricate patterns to any smooth glass surface, front or back. Low-fire, precious metal formula produces an ultra lustrous finish. Cures at 1000 - 1140°F. Made with real 22k gold. Lead and cadmium free. 4" x 4" (102mm) sheets.



Flowers #1
484902



Characters
484903



Stemmed Flowers #2
484904



Sampler #1
484905



Sampler #2
484906



Trees
484907



Sea Critters
484908



Dragonflies
484909



Judaica
484910



Christian
484911



PHOTO FUSING DECAL PAPER

Cat. No. 49901

Our supplier offers high quality photo fusing decal paper packaged in 10 sheet/zip-locked plastic bag packages. It includes foolproof copyrighted instructions with FAQ's, an approved printer list and troubleshooting tips.

NEW!

SEPIA SLIDES

Sepia Slides are fusible waterslides. When applied to light colored glass and taken to a full fuse the images become a permanent sepia (red brown to dark brown) color. Sepia slides look great on: Light colors (ivory & white) then placed on another color; Clear iridized (on iridized side) then placed on clear or light color; Dichroic (on dichroic side) then placed on clear or light color. The double layer, full fused, makes a nicely rounded shape. 12 designs each. **See page A51 for more designs.**

NEW!



EMBOSSING STAMPS

Glass Embossing System from JP Glassworks. Create textures by embossing beautiful patterns directly into glass. The system uses a series of small bronze components to impress individual designs into glass or in combinations. Embossed glass pieces create a world of possibilities for adornment pins, bracelets, pendants, tiles, picture frames and plates. (Stamps do not come with Embossing Press Handle.)



EMBOSSING PRESS HANDLE

Cat. No. 15980

Press handle embosses design onto glass. (Does not come with stamp.)



MULTIPRESS HANDLE WITH CROSSBAR

Cat. No. 159801

Emboss faster and more accurately. Allows 3-5 embossing molds to be pressed at one time.

COLOR MAGIC™ INDIVIDUAL COLORS

Cat. No. 7399 - 0.5 fl. oz. (15ml) Bottle with brush in cap. Brush vibrant colors onto metal, copper foil, lead came, filigrees, lamp caps, bases, bevels, clear glass, mirrors and even wood. Dries in minutes to a durable fade-proof sheen. Requires no heat.



COLOR MAGIC™ GLITTER COAT

Cat. No. 7398 - 0.5 fl. oz. (15ml) bottle with brush in cap. Pixie Dust in suspension! Shiny transparent liquid glitter. Brush on glass or metal or over other Color Magic™ colors. Shimmering flecks of metal add "glitz" to jewelry, etc. Not recommended for exposure to intense U/V rays.

FINE LINE APPLICATOR BOTTLES

Cat. No. 7420-AB

Set now includes three bottles for applying liquid glass paints in fine lines. Use like a pencil. Can be easily cleaned after use. 3-3/4" tall, 1-3/8" diameter. Squeeze or release the bottle to increase or decrease the flow of the paint. Fine line tip can be easily cleaned after use.



Crows Foot A Herringbone A Harness A



Crows Foot B Herringbone B Harness B

LAVA CLOTH

Cat. No. 482901 - Crows Foot Pattern

Cat. No. 482902 - Herringbone Pattern

Cat. No. 482903 - Harness Pattern

A unique cloth used to create textures on glass when fusing. Eliminates the need of kiln wash or shelf paper. Unique textures on the back side of fused pieces create the look of a high-quality finished piece. Non-carcinogenic. Lasts through many firings. Lava Cloth is rated for use at temperatures up to 1800°F (982°C). Lava Cloth shrinks approx. 5% with the first firing. 36" x 36" pieces. Each cloth has a side A and a side B, each with a different weave pattern on each side. See page A7 for Duraboard, Shelves, and Tuff Board.

COLOR MAGIC™

Cat. No.	Description	Cat. No.	Description
TRANSPARENT COLORS:		OPAQUE COLORS:	
7398-0	Glitter Gold Coat	7399-00	Snow White
7398-1	Glitter Silver Coat	7399-01	Lapis Blue
7398-2	Glitter Iridescent Coat	7399-02	Kelly Green
7399-05	Topaz Brown	7399-03	Bright Gold
7399-06	Lemon Yellow	7399-04	Red Poppy
7399-07	Teal Blue	7399-14	Pink
7399-08	Leaf Green	7399-15	Sun Yellow
7399-09	Black Onyx	7399-16	Violet
7399-10	Ruby Red	7399-22	Peach
7399-11	Royal Blue	7399-24	Matte Black
7399-12	Vivid Purple		
7399-18	Apricot		
7399-19	Raspberry		
7399-20	Medium Grey		
7399-21	Iridescent Frost		
7399-23	Spring Green		
7399-25	White Frost		
7399-13	Solvent Thinner for Transparent & Opaque Colors		
7399-UV1	UV Inhibitor for Transparent & Opaque Colors		

NOTE: Color Magic™ is an ORMD product. It can be shipped only by ground transportation.

VITREA 160 COLOR GLAZES FOR GLASS

Transparent water based paints for glass.
Gloss or frosted appearance.
Bake at 325°F (160°C) in domestic oven.
Appearance of body-dyed glass.
Resistance to dishwashing after baking.
Excellent lightfastness.



PROPERTIES

- **Range:** 30 liquid colors ready for use. Can mix together—10 Relief Outliners in tube, 10 Reliefs in tube with nozzle, 18 fine felt tips. Associated auxiliary products; thinner, mediums, etc.
- **Colors:** Available in gloss or frosted version. All colors are exceptionally transparent and bright.
- **Thinner:** Vitrea 160 Thinner.
- **Cleaning the brushes:** Use soapy water.
- **Drying:** Tack-free in a few minutes. Fully dry minimum of 24 hours.
- **Baking all colors in the range:** 40 minutes at 325°F (160°C) in domestic oven after minimum of 24 hours drying.
- **Caring for all colors in the range:** Remarkable resistance to normal solvents, detergents and dishwasher.
- **Storage:** Store the felt tips flat.

APPLICATOR TUBE OUTLINERS (RELIEF)

Cat. No. 74326 — .7 oz (20ml) applicator tube
Motif can be outlined in black or the other 10 colors.

FROSTED MEDIUM

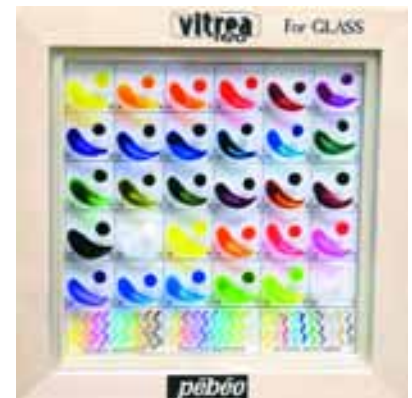
Cat. No. 743553 - 1.5 oz (45ml) bottle
Obtain a matte effect without thinning the color.
Blend 1/3 medium glaze with 2/3 color glaze.

GLOSS MEDIUM

Cat. No. 743552 - 1.5 oz (45ml) bottle
For lightening colors and obtaining pastel tones without thinning the colors. Blend 1/3 medium glaze with 2/3 color glaze.

IRIDESCENT MEDIUM

Cat. No. 743551
1.5 oz (45ml) bottle
Obtain a dazzling iridescent effect without thinning the colors. Blend 1/3 medium glaze with 2/3 color glaze.



GLOSS COLORS

45 ML 1.5 FL. OZ. BOTTLE

743001	Sun Yellow
743002	Saffron Yellow
743003	Paprika (orange)
743004	Pepper Red
743005	Indian Red
743006	Bengal Pink
743007	Amaranthine Amethyst
743008	Lazuli (Lapis Blue)
743009	Sapphire (Blue)
743010	Lacquer Blue
743011	Turquoise
743012	Emerald
743013	Oriental Green
743014	Sandalwood Green
743015	Tea Green
743016	Crimson
743017	Amber
743018	Earth Brown
743019	Ink Black
743020	Veil White
743130	Frosted Lemon
743131	Frosted Orange
743132	Frosted Grenadine
743133	Frosted Pink
743134	Frosted Mauve
743135	Frosted Blue
743136	Frosted Azure
743137	Frosted Mint
743138	Frosted Aniseed (Lime)
743139	Frosted Cloud (White)

RELIEF (OUTLINER) COLORS

20 ML TUBE .7 OZ.

743260	Jaune Soleil (Yellow-Orange)
743261	Paprika
743262	Rouge Pigment (Red)
743263	Turquoise
743264	Lazuli (Lapis Blue)
743265	Emeraude (Emerald)
743266	Noir d'encre (Black)
743267	Nacre (Pearl)
743268	Or (Gold)
743269	Etain (Pewter)

FELT TIP GLOSS COLORS

743380	Gloss Pen Sun Yellow
743381	Gloss Pen Paprika
743382	Gloss Pen Pepper Red
743383	Gloss Pen Bengal Pink
743384	Gloss Pen Turquoise
743385	Gloss Pen Emerald
743386	Gloss Pen Sandalwood
743387	Gloss Pen Amber
743388	Gloss Pen Ink Black

FELT TIP PEN

FROSTED COLORS

743490	Frosted Pen Lemon
743491	Frosted Pen Orange
743492	Frosted Pen Aniseed
743493	Frosted Pen Pink
743494	Frosted Pen Mauve
743495	Frosted Pen Blue
743496	Frosted Pen Azure
743497	Frosted Pen Mint
743498	Frosted Pen Neutral

AUXILIARY PRODUCTS

1.5 FL. OZ. (45 ML) BOTTLE

743550	Diluant
743551	Iridescent Medium
743552	Gloss Medium
743553	Frosted Medium

7420AB Applicator Bottle



7420AB



HUES 2 FUSE All-in-One Paint Kit

Cat. No. 487779

Huse 2 Fuse are non-toxic pigments that can be blended with media to create rich colors to kiln fire on glass. The fusing pigments are compatible to fire on today's popular fusible glass as well as wine bottles and window glass. All inclusive kit featuring one unit of each product in the line including the applicator bottle and tip: 18 Dry Pigment colors in 28 gram bottles, Texture Black and Texture White blended in 1 oz bottles, Glass Media solution in 2 oz flip top bottle, 1/2 oz. Applicator bottle and steel tip. Instructions and creative technique tip sheet also included.

GLASS MEDIA 2 OZ. BOTTLE

Cat. No. 487780

HUES 2 FUSE - 28 gram bottles

487781		487790	
Black		Prussia	
487782		487791	
Saffron		Chateau	
487783		487792	
Turf		Damsel	
487784		487793	
Shell Pink		White	
487785		487794	
Reef		Sprout	
487786		487795	
Majesty		Merlot	
487787		487796	
Rock Lobster		Sepia	
487788		487797	
Rubber Ducky		Henna	
487789		487798	
Fog		Peacock	

487799
Texture Black (1 oz. bottle)

487800
Texture White (1 oz. bottle)

FUSE MASTER TRANSPARENT ENAMELS

Cat. No. 7500___ - 1 oz. (28.3g) packets

Cat. No. 7500___B - 8 oz. (227g) bulk packets

Rich, vividly colored enamels mature at the same temperature most glasses slump, so only one firing is necessary. In powder form, it is easy to mix with a variety of binders or mediums, such as Gum Arabic, etc. (See page A44, A48.) Fires at 1080° to 1175°F (582°C to 635°C).

1 oz. Cat. No.	8 oz. Cat. No.	Description
750001	750001B	Lime Green
750002	750002B	Emerald Green
750003	750003B	Ice Blue
750004	750004B	Yellow Green
750005	750005B	Olive Green
750006	750006B	Blue Green
750007	750007B	Teal Blue
750008	750008B	True Blue
750009	750009B	Sky Blue
750010	750010B	Purple
750011	750011B	Beet Red
750012	750012B	Rose
750013	750013B	Dark Rose
750014	750014B	Grey Blue
750015	750015B	Navy Blue
750016	750016B	Cobalt Blue
750017	750017B	Peacock Blue
750018	750018B	Neptune Blue
750019	750019B	Light Blue
750020	750020B	Confederate Gray

1 oz. Cat. No.	8 oz. Cat. No.	Description
750021	750021B	Ginger
750022	750022B	Golden Brown
750023	750023B	Burnt Sienna
750024	750024B	Asphalt Gray
750025	750025B	Black
750026	750026B	Chocolate Brown
750027	750027B	Cranberry
750028	750028B	Chinese Red
750029	750029B	Fuchsia Pink
750030	750030B	Light Terra Cotta
750031	750031B	Brick Red
750032	750032B	Mink Brown
750033	750033B	Gold
750034	750034B	Lemon Yellow
750035	750035B	California Orange
750036	750036B	Amber
750037	750037B	Florida Orange
750038	750038B	Mahogany
750039	750039B	Sea Green
750040	750040B	Plum

FUSE MASTER LEAD-FREE ENAMELS

Cat. No. 7501-LF___ - 1 oz. (28.3g) packets.

Cat. No. 7501-LF___B - 8 oz. (227g) bulk packets

Fuse Master High Temperature Enamels mature at 1450°-1500°F (788°-816°C). A lead-free series of 19 intermixable opaque enamels. May be blended to achieve a complete spectrum of tones with a basic stock of colors. Vibrant colors are retained at the 1450°-1500°F temperatures needed for fusing. Powder form. Easy to mix with a variety of mediums or Gum Arabic.

1 oz. Cat. No.	8 oz. Cat. No.	Description
7501-LF111	7501-LF111B	Blue-Green
7501-LF112	7501-LF112B	Green
7501-LF113	7501-LF113B	Ultramarine
7501-LF114	7501-LF114B	Blue
7501-LF115	7501-LF115B	Teal
7501-LF116	7501-LF116B	Powder Blue
7501-LF117	7501-LF117B	Yellow
7501-LF118	7501-LF118B	Light Yellow
7501-LF119	7501-LF119B	Black
7501-LF120	7501-LF120B	Brown
7501-LF121	7501-LF121B	Red-Brown

1 oz. Cat. No.	8 oz. Cat. No.	Description
7501-LF122	7501-LF122B	Ochre
7501-LF123	7501-LF123B	Sand
7501-LF124	7501-LF124B	Dark Red
7501-LF125	7501-LF125B	Orange
7501-LF126	7501-LF126B	Peach
7501-LF127	7501-LF127B	Violet
7501-LF128	7501-LF128B	Bright White
7501-LF129	7501-LF129B	White
7501-LF130	7501-LF130B	Pink
7501-LF131	7501-LF131B	Dark Rose

40 1400GS Obscuring White *	41 1402A Matting White *	42 D201581 White ▼	43 D211824 Yellow Red ▼	44 D211827 Blue Red ▼	45 D211831 Maroon ▼	46 D232782 Green- Yellow ▼	47 D232786 Orange Yellow ▼	48 D232792 Gold-Yellow ▼	49 D242013 Black ▼	50 D252174 Green ▼	51 D261935 Chrome Green ▼	52 D261939 Blue-Green ▼
53 D273889 Green-Blue ▼	54 D273893 Red Blue ▼	55 D273908 Dark Blue ▼	56 D281097 Orange ▼	57 D293355 Red Brown ▼	58 D293360 Brown ▼	59 D293363 Buff ▼	60 D293371 Dark Brown ▼	61 D293376 Dark Brown ▼	62 D21877 Violet 28151 ○	63 D211513 Ruby 2776 ○	64 D221620 Violet 2803 ○	65 D22891 Carmine 2777 ○
66 D22932 Carmine ○	67 D231176 Amber L349 ○	68 D232255 Yellow 2665 ○	69 D24418 Smoke Grey ○	70 D25822 Chartreuse ○	71 D261876 Green V554 ○	72 D26169 Green ○	73 D26346 Green ○	74 D26354 Turquoise Green ○	75 D26762 Turquoise ○	76 D273359 Blue 2967 ○	77 D27778 Blue ○	78 D29400 Trans Brown ○
79 1001 Tracing Black #1 ■	80 10818 Flash Blue Trans ■	81 1090 Trans Blue #1 ■	82 1091 Trans Blue #2 ■	83 1115A Dark Brown ■	84 11188 Dark Brown Trans ■	85 1129A Red Brown Trans ■	86 1298A Ruby Trans ■	87 1326A Flesh Tint Trans ■	88 7106MB Rouge ■	89 D2070 Satin White ■	90 D2342 Matt Black ■	91 D2617 White ■
92 D2788 Satin Black ■	93 D2840 Intense Black ■	94 D2862 Canary Yellow ■	95 D2863 Jonquil Yellow ■	96 D2864 Dark Orange ■	97 D2866 Empire Green ■	98 D2868 Dark Blue ■	99 D2869 Holland Blue ■	100 D2870 Resolute Blue ■	101 D2872 Blood Red ■	102 D2873 Bright Red ■	103 D2875 Dark Brown Trans. ■	104 D2876 Art Brown ■
105 D2877 Black ■	106 D2881 Leaf Green ■	107 D2883 Chrome Green ■	108 D20129 Matt White ■	109 D2879 Soft Flux ■	110 DX603 White ■	111 DX660 White ■	111A D20511 White ■	111B DX692 White ■	112 1382 Orange 1 ☆	113 1383 Orange 2 ☆	114 1384 Yellow 3 ☆	115 1388 Orange Intense ☆
116 D292465 Amber Stain H465 ☆	117 50R001 Clear Glaze *	118 51R001 Snow White *	119 51R002 True White *	120 51R003 Satin Etch *	121 51R500 Flesh Rachel *	122 51R501 Blonde Flesh *	123 51R502 Brunette Flesh *	124 51R503 Reflected Light *	125 51R504 Flesh *	126 52R001 Yellow *	127 52R002 Soft Yellow *	128 53R002 Blue Green *
129 53R003 Dark Green *	130 53R004 Apple Green *	131 53R005 Black Green *	132 54R001 Strong Blue *	133 54R002 Pastel Blue *	134 54R003 Teal Blue *	135 54R005 Dark Blue *	136 55R001 Flesh Red F476 *	137 55R002 Persian Red *	138 55R003 Pompadour Red *	139 55R004 Violet of Iron *	140 55R005 Blood Red *	141 56R001 Umber Brown 1139 *
142 56R002 Bistre Brown E402 *	143 56R003 Umber Brown E403 *	144 56R004 Ancient Brown E404 *	145 56R005 Ancient Brown E405 *	146 56R006 Sepia Brown *	147 56R007 Bistre Brown *	148 56R008 Hair Brown *	149 56R009 Lt Hair Brown *	150 56R010 Medium Brown *	151 56R011 Dark Brown *	152 56R012 Meissen Brown *	153 56R013 Red Brown *	154 56R014 Yellow Brown *
155 56R015 Lt Yellow Brown *	156 56R016 Finishing Brown *	157 56R501 Ivory Tan *	158 57R001 Tracing Black E401 *	159 57R002 Trac Black Best E458 *	160 57R003 Tracing Black 61 *	161 57R004 Universal Black *	162 57R005 Best Black *	163 57R501 Dark Grey *	164 57R502 Silver Grey *	165 57R503 Pearl Grey *	166 58R001 Rose Pink *	167 59R001 Blue Violet Purple *

Translucent.
steel grey.
Fires to matte
appearance.

Translucent.
w/brown tone.
Fires matte w/
gritty surface.

Very
Translucent.
Fires Matte.



Student Kit #2

REUSCHE SAMPLE KITS

After many years of requests for color samples Reusche has now introduced a line of sample kits. Each sample kit comes complete with a small quantity of the most widely used colors from the most popular series of Reusche colors. From traditional glass stainers colors, to the new hot glass colors, each kit should provide plenty of material for initial testing of our quality products. In addition to the selection of colors, each kit contains a small amount of gum arabic, water based medium, and oil based medium.

STUDENT KIT #1 - Lead & Cadmium Free

Cat. No. 740020

Firing temp. 1140 - 1400°F.

Includes 5 colors in 1 oz. jars, Gum Arabic Powder, Hand Painting Medium and Water Based Medium, 1" Oxhair Matting Brush, Tracing Brush, Pencil Stick and a Palette Knife. See Series 5 colors (55R001, 56R001, 56R002, 56R005, 57R001).

STUDENT KIT #2

Cat. No. 740021

Firing temp. 1200 - 1250°F. Includes 5 colors (DE401, DE402, DE405, DF476, 1139) in 1 oz. jars, a 1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium, 1" Oxhair Matting Brush, Tracing Brush, Pencil Stick and a Palette Knife.

WEATHER RESISTANT SERIES KIT #3 - Tracing/Matting

Cat. No. 74121

Firing temp. 1200 - 1250°F. Includes 17 colors in 1 oz. jars, a 1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium.

WEATHER RESISTANT SERIES KIT #4 - Colors

Cat. No. 74122

Firing temp. 1200 - 1250°F. Includes 16 colors in 1 oz. jars, a 1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium.

TRANSPARENT SERIES KIT #5

Cat. No. 74123

Firing temp. 1050 - 1080°F. Includes 1/2 oz. jar of Cat. No. 7410-D211513 (Ruby) and 1 oz. jars of 14 additional colors, a 1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium.

ENAMELS & SILVER STAINS KIT #6

Cat. No. 74124

Firing temp. 1050 - 1080°F. Includes 1/2 oz. jar of Silver Stains and 1 oz. jars of 12 additional colors, a 1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium.

BLENDABLE BENDING COLORS KIT #7

Cat. No. 74125

Firing temp. 1200 - 1300°F. Includes 1 oz. jars of 17 different colors, a

1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium.

LEAD & CADMIUM FREE COLORS KIT #8

Cat. No. 74126

Firing temp. 1140 - 1400°F. Includes 1 oz. jars of 17 different colors, a 1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium.

LEAD & CADMIUM PORTRAIT COLORS KIT #9

Cat. No. 74127

Firing temp. 1140 - 1400°F. Includes 1 oz. jars of 17 different colors, a 1/2 oz. jar of Gum Arabic Powder, Hand Painting Medium and Water Based Medium.

HOT GLASS COLORS KIT #10

Cat. No. 74128

Firing temp. 1330 - 1720°F. Includes 1 oz. jars of 10 different



LUSTERS ARE BACK!

REUSCHE LUSTERS

Cat. No. 74073

BRIGHT GLASS GOLD - 2 gram bottle. ORMD

Cat. No. 74074

WHITE GOLD - 2 gram bottle. ORMD

THOMPSON LUSTERS

Cat. No. 74071

LIQUID BRIGHT GOLD - 2 gram bottle. ORMD

Cat. No. 74072

LIQUID BRIGHT PALLADIUM - 2 gram bottle. ORMD





GLASSLINE FUSING PAINT

Simple in design, easy-to-use Glassline paints are a lining and shading product for glass. Glassline may be applied in between multiple layers of glass or on the surface for a complex dimensional look. To further explore your creative edge, spray Glassline to achieve subtle shading variations. Compatible with most types of glass, from float to 90 and 96 C.O.E. For best results, tack fuse individual sheets of glass before stacking for a full fuse. Best fired to 1500°F, but may be fired lower or higher. 28 vibrant colors available in convenient applicator bottles. Lead-free and food safe. Colors are opaque. May be spray painted by mixing with water to suit.



THOMPSON OPAQUE ENAMELS EXPANSION 104

(For use with Moretti Rods & Sheet Glass)



Cat. No. 7406 - 1.25 oz. (57g) bottles

31 specially created opaque enamel colors for use with Moretti (Effetre) rods and sheet glass with a thermal expansion of $104 \times 10^{-7} \text{ }^\circ\text{C}$.

The highly pigmented, finely ground glass may be applied to obtain a colored surface which is fixed in the flame or kiln. 80 mesh grit may be sifted, rolled or encased onto the glass surface. Colors may be mixed to obtain additional colors or for interesting effects. If an adhesive agent is desired, Klyrfire, Squeegee, Clove or Lavender oils are recommended.

Cat. No.	Description
740230	White
740231	Black
740232	Gray
740233	Dark Blue
740234	Turquoise
740235	Light Green
740236	Dark Green
740237	Yellow
740238	Orange
740239	Red Orange
7402310	Brown
7402311	Pink
7402312	Crimson
7402313	Purple
7402317	Amethyst
7402318	Camel
7402319	Carbon Blue
7402320	Kelly Green
7402321	Lavender
7402322	Teal
7402323*	Deep Red
7402324*	Ivory
7402325*	Marigold
7402326*	Periwinkle
7402327*	Sesame
7402328*	Terra Cotta
METALLIC COLORS	
740216	Bronze
7402315	Copper
7402316	Gold

METAL TIP SET

Cat. No. 7402314

Set of 3 metal tips for fine line drawing with Glassline paint. Consists of one of each of the following sizes: bold, medium, and fine. Tips are placed on the end of the applicator bottle to achieve a variety of line widths.



GLASSLINE FUSING PAINT COLOR KITS

Each kit includes a set of 14 different colors and a metal tip set.

Cat. No. Description

7402K01 Basic Color Kit (same colors as chalk set 740430 below)

7402K02 Tropical Color Kit (same colors as chalk set 740430T below)

7402K03 Glacial Color Kit (same colors as chalk set 740430G below)

THOMPSON ENAMELS	
Cat. No. 7406-____	
COLOR NO.	DESCRIPTION
010	White
105	Yellow Beige
110	Brown Beige
180	Dark Coffee
250	Goldenrod
260	Praseodymium Yellow
320	Gray Green
330	Apple Green
350	Moss Green
520	Grey Blue Green
530A	Blue Green
550A	Aqua Marine
605	Baby Blue
620A	Medium Blue
650A	Oxford Blue
660A	Brilliant Blue

THOMPSON ENAMELS	
Cat. No. 7406-____	
COLOR NO.	DESCRIPTION
710B	Light Petal Pink
720B	Dark Petal Pink
725B	Flesh
730B	Pink Flesh
740B	New Purple
760B	Light Orchid
780B	Dark Orchid
790B	Dark Purple
810B	Peach
830C	Melon Orange
835C	Orange Red
840C	Bright Red
920	Light Oxford
940	Oxford Gray
990	Midnight Black

*New colors.



GLASSLINE CHALKS

Lining and shading material for glass. Glassline chalks are designed to be fired on or between layers of etched or sandblasted glass. Chalks are compatible with most types of glass from float to 90 and 96 C.O.E. Best fired to 1500°F (815°C) but may be fired lower or higher with different results. Lead free and food safe.

CHALK KITS -

Each kit includes a set of 14 different chalk colors.

Cat. No.	Description
740430	Basic Chalk Kit (* colors in Basic Kit)
740430T	Tropical Kit (^ colors in Tropical Kit)
740430G	Glacial Kit (# colors in Glacial Kit)

INDIVIDUAL CHALKS

Cat. No.	Chalk Color
740431#	Amethyst
740432*^#	Black
740433*^	Brown
740434^	Camel
740435#	Carbon Blue
740436*^	Crimson
740437*#	Dark Blue
740438*#	Dark Green
740439*#	Grey
740440#	Kelly Green
740441#	Lavender
740442*#	Lt. Green
740443*^	Orange
740444*^	Pink

Cat. No.	Chalk Color
740445*#	Purple
740446^	Red Orange
740447#	Teal
740448*#	Turquoise
740449*^#	White
740450*^	Yellow
740451	Bronze
740452	Metallic Copper
740453	Metallic Gold
740454^	Deep Red
740455^	Ivory
740456^	Marigold
740457#	Periwinkle
740458^	Sesame
740459^	Terracotta

PAINTING MEDIUMS



HOTLINE® GLASS PAINTERS MEDIUM
Cat. No. 760201 - 118 ml (4 fl. oz.)

An ideal binder and mixing agent for enamel powders or frit. Water soluble. Add water for desired consistency for holding enamels, frit, powders or mica powder in solution before firing. Ideal for sifting or brushing techniques. Burns off cleanly. Will not cause crazing or blistering.



HOTLINE® CLOVE OIL
Cat. No. 4876 - 4 oz. (118ml) bottle
Cat. No. 487601 - 2 oz. (59ml) bottle **NEW!**

An extremely fine, light and aromatic oil. Makes an excellent vehicle or mixing agent for powders. May be mixed to a light consistency suitable for brush application with fine detail. Dries slowly, but burns out as the powders fuse into the glass. If desired, it may be diluted with lavender oil: one part lavender oil to four parts of clove oil.



HOTLINE® LAVENDER OIL
Cat. No. 4877 - 4 oz. (118ml) bottle
Cat. No. 487701 - 2 oz. (59ml) bottle **NEW!**

A thin, light oil which acts as a thinner for clove oil and other heavier oils. May also be used for matting with stainer colors, providing a smooth overlay color blend.



THOMPSON KLYR-FIRE
Cat. No. 7405-A1 - 16 oz. (473ml) bottle
Cat. No. 7405-GL - Gallon

An excellent agent. May be used as a glue to hold glass in place during fusing.



WATER BASE PAINTING MEDIUM
Cat. No. 7410D1368
Stays moist longer than most mediums. Ideal for matting. 16 fl. oz. (473 ml).

See page A44 for GUM ARABIC,
Cat. No. 7410-1795.



JAR & CAP
Cat. No. 74210
White plastic wide mouth jar with screw-on cap for storing mixed paints, etc. 2 oz. (60 ml).

BLENDING SPATULAS

Cat. No. 74018 - FLAT
3-1/4" x 11/16" (83 x 17mm)



Cat. No. 74016 - CURVED SMALL
1-3/8" x 9/16" (34 x 14mm)

AIR PEN

Cat. No. 74020 - Pen; Cat. No. 74021 - Cartridges

Makes it easy to apply precise consistent lines and decorative detail. Dispenses paint, glue, glazes, etc. with flow control. Will not drip, bubble or skip. Fingertip air control prevents hand fatigue. Airpen does all the work. Lightly covering the beveled finger hole is all that is required for operating. Complete with:

- 11 interchangeable applicator tips
- 6 quick change cartridges
- Cartridge holder and base for pump
- Electric air pump • 6 foot air line
- Full instructions.



Additional sets of 6 cartridges or 6 tips are available.
110-120 volts, 40 watts. Air output: 2500-2900 cm²/min 4.00 PSI.

GOLD PEN STEM CLEANER

Cat. No. 4982GPC
Wire plunger cleans Gold Pen points.



FLUID WRITER PEN

Cat. No. 4982FWP
Fill cup with acrylic inks or liquid gold. Good for detail work on glass. Includes wire plunger tip cleaner.



GOLD PEN

Cat. No. 4982GPS - Fine Tip Pen
Cat. No. 4982GPL - Wide Tip Pen
For fine line trim and designs with fired metallics, gold, platinum, lusters and inks on glass. Hardened stainless steel writing tip. No moving parts—easy to clean with included stem cleaner.



WHITE OPAQUE MARKING PENS

Cat. No. 72551 - Extra Fine Tip
Cat. No. 72552 - Fine Tip
Permanently covers almost any surface. Weatherproof.



CERAMA PEN

Cat. No. 482021
Pre-filled disposable precious metal pen for delicate trim decorating on glass or ceramics. Easy application for firing. Fires at 1112°F (600°C).



PALETTE KNIFE

Cat. No. 4978 6-7/8" long (175mm).
3" (76mm) blade. Fine, flexible steel blade has many uses in wax or clay sculpting. Creates a smooth surface.



STEEL SPATULA

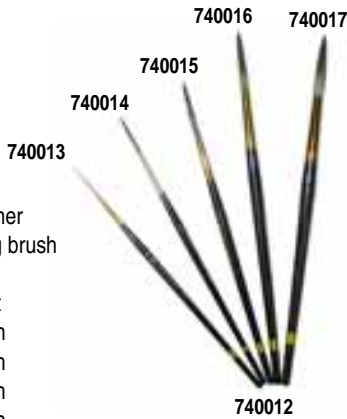
Cat. No. 740102
5" (127mm) stainless steel spatula for glass painting.



TRACING BRUSHES

Specially developed high-performance tools. Ideal for accomplishing traditional tracing techniques when applying glass stainer paints to glass surfaces. The tracing brush set contains all five brushes shown.

- Cat. No. 740012 - Tracing Brush Set
- Cat. No. 740013 - SZ-1 Tracer Brush
- Cat. No. 740014 - SZ-3 Tracer Brush
- Cat. No. 740015 - SZ-5 Tracer Brush
- Cat. No. 740016 - SZ-7 Tracer Brush
- Cat. No. 740017 - SZ-9 Tracer Brush



BLENDING BRUSHES

- Cat. No. 74031 - Flat 2" (52mm) wide
- Cat. No. 74032 - Flat 3" (76mm) wide
- Cat. No. 74033 - English 3" (76mm)
- Cat. No. 74034 - Round - Size 6
- Cat. No. 740010 - 2" (52mm)
- Cat. No. 740011 - 3" (76mm)

Badger hair brushes used for blending vitreous paints on the glass surface.



TRACING BRUSHES

- Cat. No. 740311 - Size 7
- Cat. No. 74039 - Size 5
- Cat. No. 74038 - Size 3
- Cat. No. 74037 - Size 1

Oxhair brushes used for painting outlines on glass surfaces.



STIPLER SET

Cat. No. 740018

18 of the most popular brush shapes and sizes for working with fired mattes. Ideal for creating highlights and textures. Includes Fan 888 - 2, 6; Filbert 666 - 2, 4, 6, 8; Flat 333 - 1, 2, 4, 6, 8, 10; & Round 444 - 1, 2, 4, 6, 8, 10.



Packaging

FRENCH BADGER BLENDER

Cat. No. 7403 - 3" long (76mm)

This fine import has 12 tufts of badger hair in three rows measuring 3" x 3/4" x 2-1/2" (76 x 19 x 64mm). Wood handle.



MATTING BRUSH - Cat. No. 740313

Flat 1-1/2" (36mm). Wooden handle. Camel's hair bristles. Holds paint well for broad strokes.



STIPLING BRUSHES

Cat. No. 74035 -

Glass Stainers Brush

Cat. No. 74036 - Fitch Deerfoot Brush

Deerfoot shaped or straight bristled brush for stippling or dotting glass surfaces.



TRADITIONAL DELUXE GLASS PAINTING KIT

Cat. No. 74019

The only glass painting kit available which contains everything a beginning glass painter needs. All the tools and supplies were selected for both entry level and professional use. Complete instructions prepared by Peter McGrain. A great companion is the instructional video, *Traditional Glass Painting Made Easy* (Cat. No. 62670V) or DVD (Cat. No. 62670D). Kit includes the following:

- 3 - 2 oz. jars of the most popular Lead-Free Reusche Glass Stainer Colors
- 1 - 1 oz. jar of Gum Arabic Binder
- 1 - Genuine Peter McGrain Signature Series 3" Badger Blender Brush
- 1 - 2" Squirrel Hair Applicator Brush
- 1 - #3 Oxhair Tracing Brush
- 4 - Assorted Stiplers
- 1 - Stainless Palette Knife
- 1 - Glass Eyedropper
- 1 - Heavy Duty Plastic Box



GLASS MULLER

Cat. No. 7404 - 2" (52mm) diameter

Cat. No. 74041 - 4" (102mm) diameter

To be used in combination with a flat sheet of glass (palette). Molded for a comfortable grip to grind paints. Bottom is ground flat with a matte finish.



ART CLAY CREATES MAGIC! Make Clay Shapes that Transform to Pure Silver.

A pliable, aqueous clay that transforms to 99.9% silver when fired at a high temp. It is made of fine silver particles, water and organic binders. When fired, the organic binders burn off, leaving pure silver. Easily make free-form pieces with Art Clay Silver that would be difficult using traditional methods. Because of minimal shrinkage, Art Clay Silver retains its fine detail. It's easy to fire in the kiln. Hold time at 1600°F is only 10 minutes. You can also fire small pieces of Art Clay Silver with a micro gas torch. The silver will have a white, oxidized surface after firing. Polish with a wire brush, wet-dry sandpaper, burnisher or tumbler. Art Clay Silver comes in 3 forms: clay, paste and syringe. (Art Clay Silver, Gold and Core Cork Clay are sold only in the USA and Canada.)

ART CLAY SILVER 650 LOW FIRE SLOW DRY

Cat. No. 490185 - 10g package
Cat. No. 490195 - 20g package



The 650 Low Fire Slow Dry combines the flexible firing temperatures of 650 Low Fire Clay with the extended drying time of the Slow Dry type. Working time is extended up to four times longer and the lower temperature minimizes yellowing on the glass when fired. Fires at 1200°F/650°C.

ART CLAY QUICKKIT - Cat. No. 49020

Includes new low fire 650 clay, shaping tools, polishing materials and instructions.



OVERLAY 650 SILVER PASTE - Cat. 49021

Art Clay Silver 650/Overlay Silver Paste is "low-fire" silver clay in paste form, formulated specifically to use as an overlay on glass. Water soluble, fires at 1200°F/650°C. After firing at applicable temperature, it will turn into 99% silver form.



SILVER 650 PASTE - Cat. 49022

Art Clay Silver 650 consists of pure silver particle, binding agent and water. The binding agent is produced from harmless pulp fiber. The low-fire clay that can be fired at 1200°F/650°C allows for combining with glass, porcelain and ceramic materials. It is also suitable for firing with sterling silver findings or wires. 10g bottle.



SYRINGE SILVER 650

Cat. No. 49023 - with tip
Cat. No. 49024 - w/o tip

Art Clay Silver 650 Syringe type is "low-fire" silver clay formed in a syringe that can be fired at 1200°F/650°C. It can be squeezed out through an assortment of tips to create delicate, wire-like designs or a hollow piece by using a burnable material such as cork clay. After firing at an applicable temperature, it will turn into pure, 99.9% silver.



NOZZLE MEDIUM TIP - Cat. No. 49007



SILVER OIL PASTE - Cat. No. 49008

For repairing, joining and adhering fired pieces. Requires refiring after drying. 10g.

FIRE BRICK - Cat. No. 49009 2" x 4" x 6" (50 x 100 x 150mm).

An insulating support for torch fired projects.

EXPLORING ART CLAY SILVER PART 1

Cat. No. 6213

Truty. Jackie Truty, artist, author and President of Art Clay World, USA, explores the basic techniques needed to succeed with Art Clay. She covers forming, refining and finishing. Learn how to make a silver and glass pendant, an exact replica of a leaf and create a braided gemstone ring. Also learn how to use Art Clay Syringe type to make a beautiful hollow filigree "Chinese Lantern" pendant. 55 min.



SILVER POLISH PACKAGE - Cat. No. 49011

4 oz. silversmith's polish and 2-piece polishing cloth.



HI-DENSITY NEOPRENE RUBBER BLOCK

Cat. No. 49017

Holds art clay piece while filing, cleaning or finishing. Durable, smooth finish will not mar project. 2" cube (51mm).



DUAL PURPOSE MODELING TOOL - Cat. No. 49013

Useful tool for modeling Art Clay projects. 4-3/4" (120mm) long with knurled handle.



NEEDLE FILE KIT - Cat. No. 49014

Contains 10 different fine metal files, 4" (102mm) long. Very useful for finishing 3-dimensional objects.



STAINLESS STEEL BRUSH

Cat. No. 2453

Black plastic contoured grip handle with stainless steel bristles. 7" (178mm) long.



TWEEZERS - Cat. No. 15756

Stainless steel, 6" (152mm) long.



CORE CORK CLAY for ART CLAY SILVER™

Cat. No. 49015 - 8-3/4 oz. (250g)

Makes creating openwork easy with only a small amount of Art Clay Silver. The cork clay burns away when fired, leaving the art clay silver design made on the surface.



ART CLAY GOLD K22 - Cat. No. 49016 - 5g

22k gold in clay form is made of fine gold particles, water and organic binders. When fired in the kiln, the organic binders burn off, leaving 22k gold. Make easy, free-form pieces with Art Clay Gold that would be difficult to make using traditional techniques. Fires at high temperatures if used alone. However, if made into paste and painted (3 coats) over silver art clay, it will fire at 1470°F (30 min.) to create a gold capped piece.



NOTE: See page A24 for sterling silver jump rings.

SEPIA SLIDES

Sepia slides are fusible waterslides. When applied to light colored glass and taken to a full fuse the images become a permanent sepia (red brown to dark brown) color. Sepia slides look great on: Light colors (ivory & white) then placed on another color; Clear iridized (on iridized side) then placed on clear or light color; Dichroic (on dichroic side) then placed on clear or light color. The double layer, full fused, makes a nicely rounded shape. 12 designs each.

