

# FILLERS

CM

## GLASS BUBBLES



These bubbles are actually hollow glass spheres. Because the high-quality glass is very crush resistant, the foam is much stronger, stiffer and water-resistant than any foam made by chemical foaming. These foams displace 4-6 times their weight in most resins and improve the handling characteristics of the base resin. They have a low bulk density and are nontoxic. Mix resin and hardener as directed, then fold in the glass bubbles. Upon cure, a strong, low-density product results which is easy to sand and file. May be shaped to form compound angles and curves. The term "micro" was applied to the mixture of microspheres and epoxy early in the development of composite structures. Although microspheres have been replaced by glass bubbles the word "micro" is still commonly used to reference the mixture. "Micro" is used to fill voids and low areas, to glue foam blocks together and as a bond between foams and glass cloth. Micro is used in three consistencies - (1) a "slurry" which is a one-to-one by volume mix of epoxy and glass bubbles, (2) "wet micro" which is about two to four parts glass bubbles by volume to one part epoxy, and (3) "dry micro" which is a mix of epoxy with enough glass bubbles to obtain a paste which will not sag or run (about five parts to one by volume). In all instances glass bubbles are added to completely mixed epoxy resin and hardener. Wet micro is used to join foam blocks and is much thicker than slurry (it has the consistency of honey) but can be brushed. Dry micro is used to fill low spots and voids and is mixed so that it is a dry paste and will not sag. Apply with a putty knife. Never use micro between glass layers.

**CAUTION** - When mixing epoxy and glass bubbles, wear a dust mask and keep your face away from the balloons that may float up into the air. Although glass balloons are inert, they can lodge in your eyes or in your lungs and cause problems. Handle with care.

One Pound Bag (Approx. 1 Gal.).....P/N 01-14600 .....**\$11.50**      Five Pound Bag (Approx. 5 Gal.)..... P/N 01-14700..... **\$53.75**

## DISPOSABLE ICING BAGS



These 12" disposable icing bags are ideal for applying beads of any size of micro epoxy or flox epoxy to all surfaces. Great for close-outs and are real time savers. Simply fill, cut end to desired bead size and squeeze. Never breaks down from epoxy. Sold in packs of 100 icing bags. Pack of 100 bags .....P/N 01-14710 .....**\$14.85**

## CAB-O-SIL



Cab-O-Sil is a fumed lightweight silica thickener used to reduce the flow of epoxies on vertical surfaces, as well as filling pinholes with its smooth texture. 1 Gallon bag.....P/N 01-04711 .....**\$24.85**

## FLOCKED COTTON FIBER



A structural resin filler. The mixture of cotton fiber and epoxy is referred to as "flox". The mixture is used in structural joints and in areas where a very hard, durable buildup is required. Flox is mixed in much the same way as dry micro but only about two parts flock to one part epoxy is required. Mix in just enough flock to make the mixture stand up. If "wet flox" is called out, mix it so it will sag or run. Flox is often used to reinforce a sharp corner. Paint a light coat of pure epoxy inside the corner, trowel flox in to make a triangular support. The flox corner is done just before one glass surface is applied for a wet bond to one surface.

1 Lb. Bag.....P/N 01-14800 .....**\$4.85**  
5 Lb. Bag.....P/N 01-14900 .....**\$23.75**

## MILLED GLASS FIBERS



As the name implies, this material is made by milling fiberglass into a very thin consistency. This material is used in preparing a structural filler. This material is used in fillets that require structural integrity. Milled fiber fillers have higher strength than cotton flock but have fine particles of fiberglass that can penetrate the skin.

1 Lb. Bag.....P/N 01-14780 .....**\$3.75**

## PELOUZE DYMO DIGITAL SCALE



Ultra-compact design for super portability. Features an LCD screen with easy-to-read digital readout. Convenient "hold" feature locks weight display for ten seconds after item is removed. Digital postal rates. Rates update with Internet download. Operates on: 3 AAA Batteries (included). P/N 12-01580 .....**\$62.75**

## 3M™ #77 SPRAY ADHESIVE

This aerosol spray adhesive works well to laminate styrofoam sheets together. Laminations cut well with a hot wire. Net wt. 16.75 oz. a 24 fl. oz. Aerosol Spray Can P/N 09-28330.....**\$19.95**



## PUTTY FLEX FILLER



Urethane Supply Company's 1047 Putty Flex is a premium polyester finishing glaze that provides superior adhesion with excellent flexibility on plastics. Putty Flex produces excellent feather edge results on plastic, metal, SMC, fiberglass, cured primer and paint. Use to fill pinholes, dings, scrapes, sanding scratches and more! Putty Flex sands easily and resists clogging sandpaper. P/N 01-00961 .....**\$29.70**

## HI BUILD POLYESTER SANDING PRIMERS



• Quick Build Primer • Quickly fills uneven surfaces, and major imperfections • Easy sanding prep for surface primer, top coats • Low VOC product • Perfect Primer for pretec topcoats or any other surface coatings desired • Fairly Hi-Build to 120mils

Color	Size	Part No.	Price	Size	Part No.	Price
Gray	Quart	09-02162	<b>\$65.75</b>	Gallon	09-02163	<b>\$168.75</b>
Black	Quart	09-02164	<b>\$55.75</b>	Gallon	09-02165	<b>\$167.75</b>
White	Quart	09-02166	<b>\$41.50</b>	Gallon	09-02167	<b>\$167.75</b>

Requires Catalyst P/N 01-01119.

## DYNALITE



A formulation of polyester resin, talcs and Microspheres used as a lightweight filler on metal and fiberglass. Works easily, sands faster. Only 7.5 lbs. per Gallon as compared to 12 lbs. per Gallon for conventional fillers. 494 Gallon .....P/N 01-00368 .....**\$45.70**

## FIX-IT



A universal repair compound. It is excellent for rebuilding or fabricating parts and as an all purpose adhesive for wood, metals, ceramic, glass, and many plastics. Fix-it can be tapped or drilled, sanded, filed or painted. Patch holes and cracks and seals leaks. Sets rock hard overnight. Fix-It Metal is the same as standard Fix-It except it is loaded with aluminum metal to match the strength, weight, and use for each project. Fix-It is non-toxic, non-hazardous, and impervious to fuels and liquids. Fit-It 1/4 Lb kit.....P/N 01-14770 .....**\$19.50**  
Fit-It 1 Lb kit.....P/N 01-14775 .....**\$32.75**  
Fit-It Metal 1/4 Lb kit...P/N 01-14790 .....**\$18.75**  
Fit-It Metal 1 Lb kit.....P/N 01-14795 .....**\$32.85**