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# Suggestions for Use

## Restone Recycled Glass Filler - RST Series Recycled Glass Filler for Cultured Marble / Gravity Cast Applications

### Equipment

Use standard marble mixing equipment and molds. We recommend diamond cutting tools due to the abrasiveness of the glass.

### Gelcoat

A gelcoat must be used on all gravity cast, recycled glass filler products. Apply the gelcoat at a thickness of 22-25 mils (wet). To obtain a satin finish, use a 400 to 600 grit sand paper or a 3M "Scotch Brite" pad.

### Resin

An onyx or swing resin is recommended due to the translucent nature of the material. The appearance of the final product may vary in color when different resins are used. The recommended resin level for Restone Recycled Glass Filler is 21-25% by weight, depending on viscosity.

### Bonding and Air Release Agents

An additive such as BYK-C 8000 will help bond the glass to the polyester resin. Air release agents such as BYK-A 500 or A 555 can help prevent air entrapment on part surfaces. The bonding and air release agents should be added to the resin (along with the catalyst) and mixed before the filler is added. Use at manufacturer's recommended levels.

### Catalyst Level

Use the same catalyst level as with cultured marble. 1.5% catalyst, based on resin weight, is a good starting point. The gel time for the Restone matrix should be around 30 minutes. If gel times are too long, a more reactive resin or catalyst system may be required.

### Matrix Consistency

The Restone matrix may seem exceedingly thick at the recommended resin levels, but it will flow well with vibration. Always start with less resin and add as needed. Too much resin will result in excessive glass settling and possible warping. The backside of a correctly cast part will be "dimpled" with glass pieces.

### Vibration

Vibration during the pouring of the matrix will promote optimum flow and air release.

### Thermal Cycling

Restone Recycled Glass Filler has not yet been approved for bowl applications.

### Other Considerations

When using less than a full bag, mix the material in the bag thoroughly before adding to resin. Doing so will ensure a homogeneous blend of materials that may have segregated during shipping.

Due to the highly translucent nature of these products, backfilling with any other material is not recommended.

**Note:** These suggestions are not meant to represent a guarantee. Each manufacturer must evaluate our materials and judge their suitability in their own system.

March 2, 2011