



# TOTALBOAT GLASS MICROBALLOONS

- Hollow beads add bulk while reducing the overall density
- Improves the sanding properties of unsaturated polyester resin, vinyl ester resin, or epoxy systems
- Excellent strength-to-weight ratio filler
- Works great as stand-alone filler, or blended with other fillers or thickeners to achieve desired working or cured properties
- Color: White

TotalBoat Glass Microballoons are low-density, microscopic sodium borosilicate hollow glass spheres that can be mixed into epoxy, polyester, and vinyl ester resins to thicken and extend without adding weight. They create a lightweight, sandable compound ideal for fairing. TotalBoat Glass Microballoons impart a white color.

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**COMPATIBLE RESIN TYPES:** Unsaturated polyester, vinyl ester, epoxy systems

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### PERSONAL SAFETY:

Always use proper Personal Protective Equipment when using any TotalBoat product. Refer to the TotalBoat Glass Microballoons Safety Data Sheet for more info.

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### APPLICATION:

- TotalBoat Glass Microballoons should be added slowly and mixed in accordance with the resin types below. Stir slowly enough to avoid spilling the microballoons out of the mixing cup. They may not be absorbed into the resin material immediately, but they will mix in.
- Glass Microballoons should be added and mixed in until the resin material achieves the desired consistency for the application. Mix until they are evenly dispersed throughout.
- There is no defined limit to the amount of Glass Microballoons that can be added. More microballoons will

increase the viscosity and improve the sandability of the cured material.

- Adding Glass Microballoons will thicken the resinous material but will not add significant sag resistance. Adding TotalBoat Silica Thickener with the Glass Microballoons will increase the sag resistance, which may be desired for applications on vertical or overhead surfaces.
- Adding Silica Thickener to any of these resinous materials will add volume and bulk, while reducing the overall density. The microballoons are considered non-reactive and will not affect the cure.

### EPOXY APPLICATIONS:

- Mix the resin and hardener components together prior to adding Glass Microballoons. This will ensure a proper mix of the epoxy, to promote the best results. Work diligently, as the Glass Microballoons need to be added during the working time of the epoxy.

### POLYESTER OR VINYL ESTER APPLICATIONS:

- Add Glass Microballoons to the liquid resin prior to catalyzing. This gives unlimited time to achieve the desired viscosity before catalyzation.

PRODUCT DATA:	
<b>Physical Form:</b>	Free-flowing powder
<b>Color:</b>	White
<b>Bulk Density:</b>	8.5 lbs/ft <sup>3</sup>
<b>Specific Gravity:</b>	0.25
<b>Average Particle Size:</b>	40 Microns
<b>Pressure for 10% Collapse:</b>	250 psi
<b>Softening Point:</b>	1800°F
<b>Units of Measure:</b>	1-quart, 5-quart containers
<b>Storage:</b>	Keep container tightly closed and dry. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking.