TOTALBOAT MILLED GLASS FIBER

- Add to the desired resin system for improved impact, tensile, compressive, and flexural properties, once cured
- Reinforces composites that use unsaturated polyester resin, vinyl ester resin, or epoxy systems
- Improves dimensional stability
- Works great as stand-alone filler, or blended with other fillers & thickeners to achieve desired properties
- Great for bonding hardware
- Color: Off-White/Gray

TotalBoat Milled Glass Fiber finely ground E-Glass fiberglass fibers can be mixed into epoxy systems and polyester resins to increase tensile strength and flexibility, as well as reduce shrinkage. Milled Glass Fiber is most often used in structural bonding applications, structural filling, filling gaps, and filleting putties.

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 Milled Glass Fibers Safety Data Sheet for more info.

APPLICATION:

- TotalBoat Milled Glass Fiber should be added slowly and mixed in accordance with the resin types below. Stir slowly enough to avoid spilling the Milled Glass Fiber out of the mixing cup. It may not be absorbed into the resin material immediately, but it will mix in.
- Milled Glass Fiber should be added and mixed in until the resin material achieves the desired consistency for the application. Mix until it is evenly dispersed throughout.
- There is no defined limit to the amount of Milled Glass Fiber that can be added. More Milled Glass Fiber will increase the viscosity and start to thicken the material.
- Adding Milled Glass Fiber will thicken the resinous material but will not add significant sag resistance. Adding TotalBoat Silica Thickener will increase the sag resistance and body, which may be desired for vertical or overhead applications.
- Adding Silica Thickener to any of these resinous materials will add volume, bulk and density. Milled Glass Fiber is considered non-reactive and will not affect the cure.

- EPOXY APPLICATIONS:
  - Mix the resin and hardener components together prior to adding Milled Glass Fiber. This will ensure a proper mix of the epoxy to promote the best results. Work diligently as the Milled Glass Fiber needs to be added during the working time of the epoxy.
- POLYESTER OR VINYL ESTER APPLICATIONS:
  - Add Milled Glass Fiber to the liquid resin prior to catalyzing. This gives unlimited time to achieve the desired viscosity before catalyzation.

PRODUCT DATA:	
Physical Form:	Very fine fibers, floccular powder
Color:	Off-white/gray
Composition:	E-Glass fiberglass filaments
Fiber Diameter:	16 Microns
Fiber Length:	470 Microns
Aspect Ratio:	27:1
Loose Bulk Density:	.28 g/cm^3
Moisture Content:	<.01%
Units of Measure:	1-quart, 5-quart containers
Storage:	Keep container closed tightly when not in use.