

FiberThick

Synthetic Fiber Resin Thickener



FiberThick is a dry pulp thickening agent that can be added to a variety of BJB's Polyurethane, Silicone, and Epoxy systems to increase viscosity, allowing better hang on vertical or contoured surfaces. FiberThick exhibits low moisture absorption compared to many common resin fillers making it ideal for material systems sensitive to moisture (like many polyurethanes). Users can turn low viscosity resin systems into brushable surface coats up to thick pastes. FiberThick is great for producing:

- Animatronic Skins
- Adhesives or Pastes
- Rigid Shell Molds
- Special Effects & Props
- Slush Castings
- Silicone Glove Molds

MIXING INSTRUCTIONS:

Adding FiberThick to a 2:1 ratio by volume (2-parts resin/1-part filler loosely packed), or 1-3% filler by weight to total A/B resin mix, typically produces a smooth, creamy consistency for brushed in skins or non-drip coatings. Increasing up to a 1:1 resin to filler ratio, or 3-5% filler by weight to total resin mix, can produce a much thicker paste for creating support shells, pack-in-place doughs, or adhesives. Add filler in small quantities during mixing. Pre-blending FiberThick into separate "A" and/or "B" resin parts should be done in small quantities until you become familiar with its characteristics. You can add additional FiberThick after mixing A&B to increase desired viscosity. Pre-blending filler into separate A&B can help with faster work-time systems so you are not trying to add all the filler at once and lose valuable mixing time. On products like Silicone and Epoxies where the "B" catalyst/activator is a smaller portion of the A/B mixture, pre-blend the FiberThick to the "A" side only. FiberThick can be blended into the liquid using a mixing spatula/stick by vigorous stirring action or a mechanical mixer like a drill attached "Jiffy Mixer." Secondary coats should be applied only when the previous layer has gelled to a point that it will not be disturbed by further applications. For creating thicker shells or skins using less added filler, see BJB's "FiberThicker" product.

**** NOTE- Application procedures will vary depending on the users' preference and a small-scale test is highly suggested before using on a large mix of product. ****

Here is a sample of some BJB materials that work well in conjunction with FiberThick:

BJB'S FLEXIBLE URETHANES	Rigid Unfilled Urethanes (TC-808, TC-804, TC-890, etc)	TC-1630	Silicones
Add 3% for a fair hang in a thinner layer; 5% for a paste-like consistency to brush or trowel thick layers for medium viscosity resins.	Add 3-4% for good hang in a thin layer; 5-6% for thicker layers using low viscosity resins.	Add 1% for a fair hang in a thinner layer; 3% for a paste-like consistency to brush or trowel thick layers.	Add 3-4% for good hang in a thin layer; 5-6% for thicker layers. Adding 6-8% typically produces a dough-like consistency.

Note: Please contact a BJB Technical Sales Rep if you have questions, need recommendations, or additional information on material choices.

STORAGE:

Store at ambient temperatures, 65-80°F (18-27°C) in a sealed, dry container to avoid moisture contamination. Unopened containers will have a shelf life of 12 months from date of shipment when properly stored.

PACKAGING	WEIGHT
1/4 Pound	4 oz.
1/2 Pound	0.5 lbs.
1 Pound	1.0 lbs.

SAFETY PRECAUTIONS:

Because FiberThick is a lightweight powder and can plume during mixing, wear appropriate dust mask or respirator and use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product. Remove dust from work area to avoid breathing or contamination of work area.

IF CONTACT OCCURS:

Skin: Immediately wash with soap and water. Remove contaminated clothing and laundry before reuse. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

Refer to the Material Safety Data Sheet before using this product.