

1100 Lightweight Epoxy Filler



Overview: #1100 is an extremely lightweight epoxy filler used to smooth the surface of repaired parts, fill the weave on moldless or male molded parts, and shape fillets in corners and joints.

This epoxy filler provides superior adhesion to most surfaces including SMC, and exhibits no shrinkage. It spreads smoothly with few sags, even upside down! Final contours are easily sanded with standard shop tools.

Available in quart resin/hardener kits or cases of 6 quart resin/hardener kits.

Features & Benefits:

- #1100 is a two-component paste epoxy patching and filler compound for foam, wood, fiberglass and other surfaces.
- The mixed consistency of this system is very smooth and creamy, so it spreads easily, and can be splined to a feather edge without separation.
- It is a thixotropic, non-sag material that will remain in place in thick sections, even when applied upside down!
- The resin and hardener of this system are color coded for easy mixing. The resin is white and the hardener is brown, giving a good visual indication of complete mixing with a uniform tan color free of streaks.
- #1100 has special low density fillers incorporated into it that provide very distinct benefits. It is a very light material (4 pounds per gallon), and therefore contributes minimal added weight to the filled or repaired structure.
- The cured material is very easy to sand, making the finished patch undetectable when covered or painted.
- There are no volatile ingredients in #1100, so the cured material will not out gas, which could cause a loss of adhesion of paint or coverings.
- #1100 is a non-toxic material. There are no hazardous or restricted raw materials in either the resin or hardener of this system.

Typical Cure Schedule:

	#1100	Test Method
Mix Ratio, Part A and B	2:1 by Weight or Volume	PTM & W
Mixed Viscosity	Smooth Paste	ASTM D2393
Gel Time, 4 fl ounces	25-30 Min	ASTM D2741
Pot Life	25-30 Min	ASTM D2471
Cure Time at 77°F to Shape	2 to 3 Hrs	PTM & W
Cure Time at 77°F to Sand	5 to 6 Hrs	PTM & W
Cure Time at 77°F Full Cure	24 Hrs	PTM & W

This cure can be accelerated with mild heat if necessary. This heat addition can be accomplished by placing the patched part in the sunlight to warm it, by putting it into a warm room or industrial oven at very low heat, or by placing light bulbs in a box containing the part. Avoid the use of hot air guns or heat lamps, because excessive heat can cause shrinkage and improper cures.

Typical Product Properties:

	#1100 (A Side)	#1100 (B Side)	Test Method
Color	White	Light Red	Visual
Viscosity	Paste	Paste	ASTM D2393
Specific Gravity	0.490	0.490	ASTM D1475

Typical Mechanical Properties:

	#1100	Test Method
Specific Gravity	0.490	ASTM D1475
Cured Hardness, Shore D	53 D	ASTM D2249
Adhesion	Excellent	PTM & W
Compressive Strength	2,156 PSI	ASTM D695
Water Absorption	>0.4%	ASTM D570

Mixing Directions: Using clean plastic or paper containers, measure out 100 parts of Side A and 50 parts of Side B by weight. Mix thoroughly for at least one minute or until a uniform color and consistency is achieved. Make sure to scrape the edges and the bottom of the container to avoid leaving unmixed material which can lead to soft spots in the cured adhesive joint. A uniform tan color, free of light and dark streaks indicates properly mixed material.

Application & Surface Preparation: All surfaces to be bonded or patched must be free of dirt, oil, and grease. Sanding or roughening the bonding surfaces increases the surface area and enhances the bond strength.