

PRODUCT: SMC Fiberglass Resin

PART NUMBER: 100864 **Quart** **6 units/case**
 100865 **Gallon** **4 units/case**

DESCRIPTION: **SMC Fiberglass Resin** is specifically formulated for repairs on SMC (Sheet Molding Compound) panels and other reinforced fiberglass panels and parts. It provides superior adhesion to all types of SMC and fiberglass and part. Provides superior adhesion to SMC panels and is more effective on SMC than other fiberglass-type resins. Must be used with fiberglass mat or cloth.

White BPO Cream Hardener included

APPROVED SUBSTRATES:

- Fiberglass
- Soft Woods
- SMC

NOTE: *Not for use over redwood, cedar, oak or other oily or close grained woods.*
Do not use with Styrofoam

PREPARATION:

- Clean repair area with soap and water, followed by the appropriate cleaning solvent to remove grease, wax, and other foreign materials
- Remove all paint, varnish, or gel coat with 80 grit
- Remove sanding dust with clean compressed air
- Wipe area clean with acetone and allow to dry sufficiently
- Cut fiberglass cloth or mat slightly larger than the area of repair

If repairing a hole, cut or grind away all loose or damaged material. Sand several inches beyond the repair area and bevel repair to a thin edge towards center. Tape cardboard covered with wax paper to the back side of the hole to be repaired. Cut fiberglass mat or cloth to overlap the repair area by at least 2" (5 cm). If multiple layers of mat or cloth are required cut each layer slightly larger than the lower layers. When using cloth vary direction of cloth by 45° between layers to maximize strength

MIXING: **Use at temperature of 60°F (16°C) or higher for proper cure.**

- Add Evercoat White BPO Cream hardener to resin using the chart below
Avoid mixing large volumes to ensure proper working time

Required Hardener per Amount of Resin		
Per Fl. Oz. of Resin	Per 6 Fl. Oz. of Resin	Per 12 Fl. Oz. of Resin
1 – 1 ½" of BPO Cream Hardener	6" – 8" (1 Teaspoon) of BPO Cream Hardener	12"-16" (2 Teaspoons) BPO Cream Hardener

- Mix well for 1-3 minutes being sure to scrape the sides and bottom of the container to insure a proper mix.
- Resin will show a color transition from amber to light green with Evercoat white BPO cream hardener indicating a thorough mix
- Catalyzed mixture will begin to harden in about 20-30 minutes at 80°F (27°C)
Gel times will vary with temperature and thickness.

APPLICATION:

- Apply mixed resin to the repair surface
- Apply selected reinforcement to the repair area
- Work the resin into the fiberglass until the fibers are saturated
Use only enough resin to saturate the reinforcement fibers
- Additional layers can be applied before the mixture gels.
- Excessive brushing or application in direct sunlight can cause resin to cure tacky.

NOTE:

Fiberglass cloth, mat, or tape must be used with polyester resin.

FINISH:

Cured surface must be sanded before re-coating, painting, or applying gel coat.

- Once the repair has hardened sand to proper contour with 80 – 180 grit. Final sand with 180 grit
- Fill any remaining voids or irregularities with EVERCOAT Vette Panel Adhesive / Filler #870.

NOTE: For optimum performance apply an EVERCOAT Premium Filler or Glazing Putty, followed by one of EVERCOAT's polyester primer surfacers.

CLEAN-UP:

Use acetone to clean tools

TECHNICAL SPECIFICATIONS:

▪ Appearance	Amber Liquid
▪ VOC	Refer to Section 9 of the Safety Data Sheet
▪ Relative Density	Refer to Section 9 of the Safety Data Sheet
▪ Working Time	5 – 6 minutes @ 75°F - 80°F (24°C - 27°C)
▪ Gel Time	30 min. @ 75°F - 80°F (24°C - 27°C)
▪ Sand Time	2 – 2.5 hours (Can vary by thickness)
▪ Full Cure	4-6 hours

NOTE:

Properties are typical values and should not be considered as sales specifications. Physical testing performed @ ~80°F (27°C) / 75% RH unless otherwise noted. Times can vary with product temperature, ambient temperature, and application thickness.

SAFETY & HANDLING:

Read all directions and warnings prior to using Evercoat® products. Safety Data Sheets can be found online at evercoat.com.

NOTES:

Never return mixed product to can

Keep can closed and store in a cool dry place below 85°F (29°C)

USE WITH EVERCOAT BPO CREAM HARDENER ONLY!