

TECHNICAL DATA SHEET – FIBERGLASS RESIN GEL

PRODUCT: Fiberglass Resin Gel
TECHNICAL CALLS: 1-800-321-0672



DESCRIPTION:

Fiberglass Resin Gel quickly works into fiberglass cloth or mat to ensure strong, professional repairs of fiberglass and other substrates. Formulated as an easy-to-use gel, Fiberglass Resin Gel eliminates running and sagging, is fast curing, tack free, waterproof and impact resistant. Ideal for use on vertical surfaces.

PART NUMBERS:

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| • 58310 Fiberglass Resin Gel Gallon | 4 gallons / case | 42 lbs / case |
| • 58320 Fiberglass Resin Gel Quart | 6 quarts / case | 17 lbs / case |

PRODUCT USES:

Use with or without fiberglass mat or cloth to repair rust-outs, holes, tears and cracks.

TYPICAL SUBSTRATES:

- Steel
- Fiberglass
- Wood
- Gel Coat (epoxy or polyester)



SURFACE PREPARATION:

Remove all paint or gel coat by rough sanding damaged area down to bare metal or fiberglass, allowing a 2" margin around damaged area. When possible, both sides of damaged area should be repaired for added strength. Repair area must be dry and clean. If applying to wood it must be untreated.



MIXING:

Place desired amount of Fiberglass Resin Gel in a clean, disposable mixing cup or on a clean, non-absorbent surface. Add 2% of cream hardener by weight. Mix thoroughly using a back and forth wiping motion until color is uniform. Approximately 6 ounces of mixed gel is required to saturate one square foot of mat or cloth.

APPLICATION:

For small holes, cracks and dents:

1. Apply only on properly prepared surfaces (see SURFACE PREPARATION). Before filling, the surface must be a minimum temperature of 65° F.
2. Coat one side of fiberglass cloth or screen generously with part of the gel mixture and place over the repair area, wet side down. Flatten and smooth around edges using spreader. Squeegee out any air bubbles to assure adhesion. Use remaining mixture to coat top side to ensure that the cloth or screen is completely saturated.
3. Gently press the center of cloth/screen to create a slight dip, leaving room for the next coat(s) of mixture. Allow ample time to cure (10-15 minutes) before applying the next coat.
4. Mix additional filler and apply to repaired area, building up to the original contour.
5. **IMPORTANT! DO NOT RETURN UNUSED MIXTURE TO CAN AS IT WILL HARDEN THE REMAINING CONTENTS.**

FINISHING:

Resin-saturated fiberglass will harden into a steel-like surface which can be sanded (80 - 180), ground or filed. Any imperfections can be filled with a "skim coat" of resin/hardener mixture or with a topcoat of one of U.S. Chemical's quality body fillers. Use fine sandpaper to finish repaired area to desired contour.

TOPCOATING:

Prime with U.S. Chemical & Plastic's primer surfacer. Refer to paint manufacturer's instructions for final finishing.

**TECHNICAL INFORMATION:**

Appearance as Packaged:
VOC

Weight Per Gallon (Density):
Maximum Recommended Thickness (sanded):
Viscosity @ 77°F
Gel Time @ 77°F:
Shore "D" Hardness Values @ 24 hours:
Sanding Time @ 77°F:

Maximum Heat:

Purple
297 g/l
1.0 g/l loss upon cure
10.6 pounds (Average)
1/8"
40,000 cps (Average)
8.0 – 15.0 minutes
70-80
60 minutes (Average; depends
on thickness of mass)
200° F for 30 minutes

ASSOCIATED MSDS: Filler: "Fiberglass Resin Gel-58209"

Hardener: "Cream Hardener"

**HEALTH & SAFETY:**

Read all warnings, first aid and safety for all components before using. Keep out of reach of children and animals. Protect hands with impervious rubber gloves. Wear face, skin and eye protection. When sanding, we recommend the use of a respiratory covering device to protect from dust (MSA mask P/N 459029 with MSA cartridge 464029 or equivalent). When using power equipment, refer to power tool manufacturer's recommendations for safety equipment. USC products are for industrial use by trained professionals only.

Emergency Medical or Spill Control Information:

In U.S. or Canada call CHEMTREC at 1-800-424-9300