TECHNICAL DATA SHEET – FIBERGLASS RESIN

PRODUCT: Fiberglass Resin & Repair Kit **& *FIBERGLASS RESIN REPAIR KIT***
TECHNICAL CALLS: 1-855-746-4872 (1-855-RING-USC)

DESCRIPTION:
USC Fiberglass Resin is a premium grade polyester resin. It is designed for use with fiberglass mat or cloth to repair and restore as well as create custom molded automotive designs. USC Fiberglass Resin is fast curing, tack free, waterproof and impact resistant. Its heavy formula wets out mat and cloth quickly and provides excellent workability.

PART NUMBERS:

• 58015 Fiberglass Resin Quart	6 quarts / case	17 lbs / case
• 58020 Fiberglass Resin Gallon	4 gallons / case	42 lbs / case
• 58021 Fiberglass Resin 5 Gallon Pail	1 pail / case	42 lbs / case

PRODUCT USES:
Use with fiberglass mat or cloth to repair rust-outs, holes, tears and cracks. Ideal for custom molding.

TYPICAL SUBSTRATES:
- Steel
- Fiberglass
- Wood
- Gel Coat (polyester or epoxy)

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 to be dry and clean. If applying to wood it must be untreated.

MIXING:
For best results, bring resin and hardener to room temperature (minimum 65° F). A 2 oz. tube of liquid hardener (MEK Peroxide) is sufficient to harden the entire contents of a gallon container. Add 14 drops of liquid hardener per 1 oz. of Fiberglass Resin (or for ¼ can of Fiberglass Resin, use ¼ tube of liquid hardener). Estimate the amount of resin needed to completely saturate the fiberglass material, pour the resin into a clean container (paper cup or metal can) and follow by adding the proper amount of liquid hardener. Mix thoroughly. NOTE: The use of too much or too little hardener may cause poor adhesion, soft cure and poor workability.

APPLICATION:
Lay pre-cut fiberglass mat or cloth on a clean, non-porous surface (we recommend a sheet of aluminum foil or a polyethylene bag). Pour resin/hardener mixture over the fiberglass material using a paint brush or U.S. Chemical plastic spreader. Completely cover all areas of the material. When material is saturated, apply it over the area to be repaired, using a plastic spreader to flatten, smooth and work out any air bubbles. Follow the same procedure if both sides are being repaired. When resin has set, peel off foil or plastic bag.

FINISHING:
Resin-saturated fiberglass will immediately harden into a steel-like surface which can be sanded (80 - 180 grit), 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.

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www.USChem.com

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

TECHNICAL INFORMATION:

Appearance as Packaged:	Amber Opaque Liquid
VOC	402 g/l 1.6 g/l loss upon cure
Weight Per Gallon (Density):	9.2 pounds (Average)
Maximum Recommended Thickness (sanded):	1/8"
Viscosity @ 77°F	850 cps (Average)
Gel Time @ 77°F:	9.0 – 15.0 minutes
Shore "D" Hardness Values @ 24 hours:	65-75
Sanding Time @ 77° F:	60 minutes (Average; depends on thickness of mass)
Maximum Heat:	200° F for 30 minutes

ASSOCIATED MSDS: Filler: *"Fiberglass Resin-58015"* Hardener: "*Liquid Hardener-93510"*

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

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