TECHNICAL DATA SHEET – ALL RESIN™

PRODUCT: ALL RESIN™ Polyester-Hybrid Repair Resin
TECHNICAL CALLS: 1-855-746-4872 (1-855-RING-USC)

DESCRIPTION:
USC ALL RESIN™ Polyester-Hybrid Repair Resin is a premium grade polyester resin designed for use with fiberglass mat or cloth in SMC and standard fiberglass panels, repair and custom molding. ALL RESIN is versatile (SMC or fiberglass repair), fast curing, sag resistant, impact resistant and waterproof. The heavy formula wets out mat and cloth quickly and provides excellent workability and superior adhesion. "One resin does it all!"

PART NUMBERS:

• 58215 ALL RESIN Quart	6 quarts / case	16 lbs / case
• 58220 ALL RESIN Gallon	4 gallons / case	40 lbs / case

PRODUCT USES:
Use with fiberglass mat or cloth to repair holes, tears and cracks in SMC or fiberglass substrate. Ideal for custom molding.

TYPICAL SUBSTRATES:

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

SURFACE PREPARATION:
Remove all paint, primer or gel coat by rough sanding (40-80 grit abrasive) down to the SMC or fiberglass. Sand past the damage, allowing a 2" margin around damaged area. Remove debris and clean surface with #1240 Wax, Grease & Silicone Remover.

MIXING:
For best results, bring resin and hardener to room temperature (minimum 65° F). Add cream hardener 4% by weight. This is equivalent to a 4" ribbon of cream hardener to 1½ oz. of ALL RESIN. Mix to a uniform color. Do not return mixed product to can.

APPLICATION:
Apply the properly mixed resin to the damaged area. If using mat or cloth in the repair, saturate with the properly mixed resin. Use a plastic spreader to flatten, smooth and work out any air bubbles. Follow the same procedure if both sides are being repaired.

FINISHING:
When cured, sand, grind and file as needed. Fill any imperfections with a skim coat of properly mixed resin or with a topcoat of a U.S. Chemical & Plastics' (USC) quality body filler or putty. Prime with USC primer/surfacer. Refer to paint manufacturer's instructions for final finishing.

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

U.S. Chemical & Plastics ● *An Alco Industries Company* ● 600 Nova Dr. SE ● Massillon, OH 44646
www.USChem.com

TECHNICAL INFORMATION:

Appearance as Packaged:	Amber Opaque Viscous Liquid
VOC	384 g/l 1.6 g/l loss upon cure
Weight Per Gallon (Density):	9.45 pounds (Average)
Maximum Recommended Thickness (sanded):	1/8”
Viscosity @ 77°F	1280 cps (Average)
Gel Time @ 77°F:	7.0 – 10.0 minutes
Shore “D” Hardness Values @ 24 hours:	70-75
Sanding Time @ 77° F:	60 minutes (Average; depends on thickness of mass)
Maximum Heat:	200° F for 30 minutes

ASSOCIATED MSDS: Resin: *“All Resin - 15001”* 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

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