



GENERAL INFORMATION

USC ALL RESIN™ Polyester-Hybrid Repair Resin is a premium grade polyester resin designed for use with fiberglass mat or cloth on 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!"



1. PART NUMBER

- 58215 ALL RESIN - Quart
- 58220 ALL RESIN - Gallon

2. PRODUCT USES

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



3. 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.



4. 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.



5. 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.



6. SUBSTRATES

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

7. 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.

8. TOPCOATING

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



9. TECHNICAL INFORMATION

Appearance as Packaged	Amber Opaque Viscous Liquid	
VOC	Packaged	384 g/l
	Applied	1.6 g/l
Weight Per Full Gallon (Density)	9.45 pounds (Average)	
Viscosity @ 77°F	1,280 cps (Average)	
Maximum Recommended Thickness (Sanded)	1/8"	
Gel Time @ 77°F	7-10 minutes	
Shore "D" Hardness Values @ 24 hours	70-75	
Sanding Time @ 77°F	60 minutes (Average; dependson thickness of mass)	
Maximum Heat	200°F for 30 minutes	



10. 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. and Canada call CHEMTREC at 1-800-424-9300