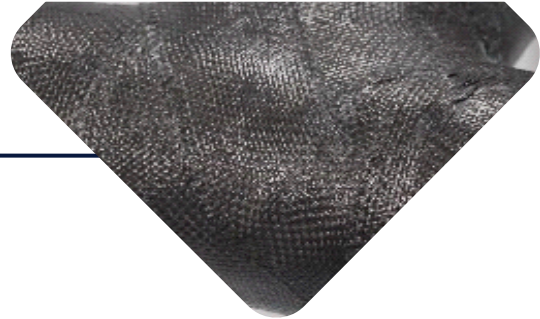




DURA-COAT REINFORCEMENT RESIN 1280

DESCRIPTION AND RECOMMENDED USES

100% solids, Dura-Coat Reinforcement Resin 1280 is a solvent free, high functionality epoxy Novolac resin designed particularly for use in composite reinforcement systems in combination with carbon fiber and glass fiber. Excellent in a wide array of environments including strong chemicals and high temperature.

- It can be applied with a brush or roller
- Suitable for any substrate, steel, bronze, aluminum, concrete
- Suitable for corrosion protection and structural reinforcement

PACKAGES

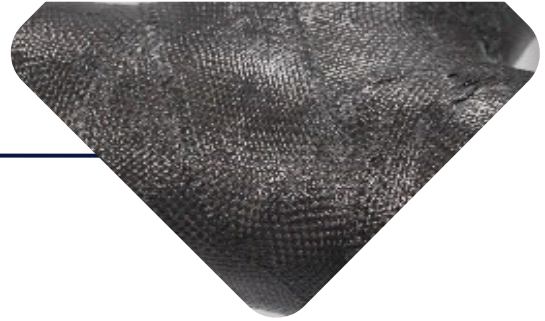
	SIZE	REORDER #
OPTIONS	1 kg	1280-01
	50 kg	1280-50

APPLICATION AREAS

- Metallic structures
- Pipelines
- Vessels
- Pipe connections
- Tank walls
- Many others

TECHNICAL DATA

Maximum Temperature (dependent on service)	Wet Service	230°C	450°F
	Dry Service	280°C	536°F
Chemical Resistance	Water	Excellent	
	Alkalis	Excellent	
	Inorganic Acids	Excellent	
	Organic Acids	Excellent	
	Organic Solvents	Excellent	
Solids by Volume		100%	
Mixed Density		1.25	
Shore D Durometer Hardness	(ASTM D 2240)	80	
Pot Life		35 min / kg at 72°F	
Mix Ratio	2.4:1 by weight		Base: Activator
Color	Amber transparent		
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		



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SURFACE PREPARATION

Proper surface preparation is critical to the long-term performance of this product. The exact requirements for surface preparation vary depending on the severity of the application, the expected service life, and the initial substrate conditions. All sharp edges and welds shall be ground smooth or to a minimum 3 mm (120 mil) radius before abrasive blasting. Optimum surface preparation requires a surface thoroughly cleaned of all contaminants and roughened to an angular profile of 75–125 μm (3–5 mils). This is normally achieved by initial cleaning and degreasing, followed by abrasive blasting to White Metal (SSPC-SP 5) or Near-White Metal (SSPC-SP 10) cleanliness, then removing all residual abrasive and dust from the surface to be coated. Mechanical surface preparation using a bristle blaster is also acceptable.

MIXING

Thoroughly mix Activator into Base with mixing stick or drill with low speed mixing blade scraping sides and bottom of container or mixing board. Mix by Weight 2.4-parts Base to 1-part Activator. Mix thoroughly to produce an even colored and streak-free material. THINNING: Never thin.

CURED TIME

	16°C (60°F)	25°C (77°F)	32°C (90°F)
TACK FREE	4 hours	2 hours	1 hour
LIGHT LOAD	12 hours	6 hours	3 hours
OVERCOAT END	16 hours	10 hours	5 hours
FULL LOAD	24 hours	12 hours	6 hours
FULL CHEMICAL	48 hours	24 hours	12 hours

APPLICATION

Brush: medium to stiff bristle of sufficient quality that bristles do not pull out and stick in coating (epoxy glued bristles are best). Trim or tape to <1" nap.
Roller: use good quality 1/8" nap.

APPLICATION TEMPERATURE

Keep between 55 to 95°F (17 to 35°C). Substrate: keep between 45 to 105°F (7 to 40°C). The difference in temperature of the substrate and the material should never exceed 10°F, 5°C. Substrate shall be a minimum of 5°F (3°C) above dew point. Do not apply if relative humidity exceeds 90%. If necessary, heat the metal prior to surface preparation using electric heater or heat lamp. Never use gas, oil or kerosene heaters as they will leave a greasy residue on metal surface. For best results keep all material in warm area overnight (75°F+) for ease of mixing.

CLEAN UP

Tools must be immediately cleaned after usage by using industrial alkaline detergent.

SAFETY

Before using any products, review the appropriate Safety Data Sheet (SDS) or Safety Sheet for your area. Follow standard confined space entry and work procedures, if appropriate.

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