



DATA SHEET

Taurus TMAX is a high-performance epoxy compound formulated with 100% solids, ceramic fillers, and a flexible hybrid epoxy matrix, engineered to provide maximum resistance to abrasion and impact in the most demanding industrial applications. Solvent-free and highly resistant to acids and caustic solutions, TMAX is designed to protect metal surfaces exposed to extreme service conditions. Its smooth, non-sag consistency allows for easy application by trowel, putty knife, or by hand while wearing gloves, and can be applied in thicknesses of up to 500 mils (12.7 mm) in a single coat without sagging, even over minimally prepared surfaces and within tight maintenance schedules.

- Ideal for repairs and patching
- Exceptional adhesion to steel, bronze, aluminum, and concrete
- Protection against corrosion, abrasion, and impact

APPLICATION AREAS

- Chutes
- Hoppers
- Cyclones
- Wear plates
- Centrifugal pumps
- Pipe elbows
- Hydro pulpers
- Ash separators
- Impellers
- Carbon crushers
- Screw conveyors

COVERAGE

25 lb kit covers 0,82 m² (8.8 sf)
6 mm thickness (240 mils)

COLOR

Gray

PACKAGING

Size	Reorder #	Size	Reorder #	Size	Reorder #	Size	Reorder #
1 kg	TMAX-01	6 lb	TMAX-06LB	25 lb	TMAX-25LB	20 kg	TMAX-20

TECHNICAL DATA

Maximum Temperature (depending on the service)	Wet Service Dry Service	72°C 95°C	161°F 203°F
Solids by Volume	100%		
Viscosity	Pasta		
Mixed Density	2.3		
Shore D Hardness	(ASTM D 2240)	85	
Pot Life	25 min / kg at 72°F		
SAG Vertical Resistance at 21°C (70°F) and 12.7mm (500mils)	No sagging		
Mixing Ratio	2:1 by Weight	Base: Activator	
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		



SURFACE PREPARATION

Proper surface preparation is critical to the long-term performance of this product. The exact requirements for surface preparation vary with the severity of the application, the expected useful life and the initial conditions of the substrate. All sharp edges and welds shall be roughed to a radius of 3mm (120 thousand) with abrasive disc. The optimal preparation will provide a thoroughly cleaned surface of all contaminants and rough to an angular profile between 75-125 m (3-5 mil). This is normally achieved by initial cleaning and degreasing and then abrasive blasting to near-white metal cleaning, or by mechanical preparation.

MIX

Mix the activator well in the base with the mixing rod scraping the sides and the bottom of the container.
Mix by weight 2 parts Base to 1 part of Activator.
Mix thoroughly to produce a uniform and without stripes. Never put solvents.

APPLICATION

Use a heavy plastic brush or putty knife to apply a minimum thickness of 6 mm. Work the material in the substrate profile to achieve maximum adhesive and remove any trapped air. Contour to correct the shape with putty knife material or plastic applicator. If mold is used or shape, be sure to coat its surface with an agent of release to prevent adhesion of the material.

APPLICATION TEMPERATURE

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



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
Term Overlay	16 hours	10 hours	5 hours
Full Charge	24 hours	12 hours	6 hours
Complete Chemical	48 hours	24 hours	12 hours

CLEAN

Tools should be thoroughly cleaned immediately after use with a strong alkaline detergent.

SAFETY

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

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