TX8

SEVERE ABRASION CERAMIC EPOXY COMPOUND

DATA SHEET

Taurus TX8 is a 100% solids, solvent-free epoxy coating formulated with ceramic, specially developed to protect metals exposed to extremely aggressive environments, with a focus on areas subject to severe abrasion. It delivers excellent performance against a wide range of acids and caustics. Its application is simple and can be done using a trowel, spatula, or even by hand, on both horizontal and vertical surfaces.

- Application in thicknesses up to 3.4 mm without sagging
- Extreme adhesion to steel, bronze, aluminum, and concrete
- Protection against corrosion and abrasion

APPLICATION AREAS

- Chutes and hoppers
- Coal crushers
- Containers
- Impellers
- Pump Bodies
- Screw conveyors
- Ventilators
- Wear plates
- Coal crushers
- Many others

COVERAGE

25 lb kit covers 0.95 m² (10.2 sf)
Thickness: 6 mm (240 mils)

COLOR

Gray. Optional blue and red

PACKAGING

Size	Reorder #
5 lb	TX8-05
25 lb	TX8-25

Size	Reorder #
20 kg	TX8-20

TECHNICAL DATA

Maximum Temperature (depending on the service)	Servicio Húmedo Servicio Seco	80°C 120°C	176°F 248°F
Flexural Strengh	(ASTM D 790)	556 kg/cm² (54.5 MPa)	7,900 psi
Pull-off Adhesion	(ASTM D 4541)	235 kg/cm² (23.0 MPa)	3,335 psi
Tensile Strength	(ASTM D 638)	227 kg/cm² (22.2 MPa)	3,223 psi
Shore D Hardness	(ASTM D 2240)	88	
Taber Abrasion: CS-10, 1000 g, 1000 cycles	(ASTM D 4060)	15mg	
Pot Life	25 min / kg at 72°F		
SAG Vertical Resistance at 21°C (70°F) and 25.4mm (1000mils)	No sagging		
Mixing Ratio	2:1 by Weight	Base: Activator	
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		

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TAURUS EPOXY® COATINGS

TX8

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SURFACE PREPARATION

Proper surface preparation is essential for the long-term performance of this product. The exact surface preparation requirements vary depending on the severity of the application, expected service life, and the initial condition of the substrate. All sharp edges and welds must be ground to a 3 mm (120 mil) radius using an abrasive disc. Optimal preparation will result in a surface that is thoroughly clean of all contaminants and roughened to an angular profile between 75–125 µm (3–5 mil). This is typically achieved through initial cleaning and degreasing followed by abrasive blasting to a near-white metal finish, 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 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 horas	2 horas	1 hora
Light Load	12 horas	6 horas	3 horas
Recoat Time	16 horas	10 horas	5 horas
Full Load	24 horas	12 horas	6 horas
Complete Chemical	48 horas	24 horas	12 horas

APPLICATION

Apply a minimum layer of 6 mm using a heavy-duty plastic spatula or a putty knife. Make sure to firmly press the material into the substrate profile to ensure maximum adhesion and eliminate any possible air bubbles. Shape the product as desired using a plastic applicator or putty knife. If using molds or formwork, it is essential to coat their surfaces with a release agent to prevent the material from sticking to them.

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 entry and work procedures, if applicable.

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