TX7

Ultra Rapid Curing Ceramic Epoxy Wearing Compound



DATA SHEET

Ultra-fast curing compound, 100% solids, ceramic-filled with a special reinforcement matrix containing aramid fibers for greater resistance to abrasion and impact. Good chemical resistance in the presence of caustics and acids. Easily applied with a trowel, spatula, or by hand using latex gloves.

- Perfect for quick repairs and patching.
- Extreme adhesion to steel, bronze, aluminum, and concrete
- Protection against corrosion and abrasion

APPLICATION AREAS

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

COVERAGE

10 kg kit covers 1.6 m² (17.2 sf)
3 mm thickness (120 mils)

COLOR

Blue

PACKAGING

Size	Reorder #	Size	Reorder #	Size	Reorder #
1 kg	TX7-01	2 kg	TX7-02	6 lbs	TX7-06lb
10 kg	TX7-10	20 kg	TX7-20	25 lbs	TX7-25lb

TECHNICAL DATA

Maximum Temperature (depending on the service)	Wet Service Dry Service	70°C 93°C	158°F 200°F
Solids by Volume	100%		
Viscosity	Paste		
Mixed Density	2.0		
Shore D Hardness	(ASTM D 2240)	85	
Pot Life	25 min / kg at 72°F		
SAG Vertical Resistance at 21°C (70°F) and 12.7 mm (500mils)	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

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SURFACE PREPARATION

Proper surface preparation is essential for 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 condition of the substrate. All sharp edges and welds must be ground to a 3mm (120 mil) radius using an abrasive disc. Optimal preparation will provide a thoroughly cleaned surface, free of all contaminants, and roughened to an angular profile between 75–125µm (3–5 mil). This is typically achieved through initial cleaning and degreasing, followed by abrasive blasting to near-white metal cleanliness, 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	25 min	20 min	13 min
Light Load	30 min	25 min	20 min
Recoat Time	30 min	25 min	20 min
Full Load	40 min	30 min	25 min

APPLICATION

Use a heavy-duty plastic brush or a putty knife to apply a minimum thickness of 3mm. Work the material into the substrate profile to achieve maximum adhesion and eliminate any trapped air. Shape the contour using a putty knife or plastic applicator. If a mold or form is used, make sure to coat its surface with a release agent to prevent the material from sticking.



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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