

TX5

Rapid Curing Ceramic Epoxy Wearing Compound



DATA SHEET

TX5 is a high-performance, ceramic-filled protective coating, formulated with 100% solids and reinforced by an advanced aramid fiber matrix to maximize durability under extreme abrasion and impact conditions. Completely free of solvents and engineered for fast curing, TX5 is ideal for industrial metal components exposed to harsh chemical agents like acids and caustics. Its smooth, non-slumping consistency allows for quick and effortless application by trowel or hand using latex gloves, enabling efficient repairs or full coatings up to 500 mils thick - even in facilities with minimal surface preparation and tight maintenance schedules.

- Perfect for quick repairs and patches
- Extreme adhesion on steel, bronze, aluminum, concrete
- Protection for corrosion and abrasion

APPLICATION AREAS

- Chutes
- Hoppers
- Coal crushers
- Centrifugal pumps
- Hydro pulpers
- Screw conveyors
- Impellers
- Flash ash separator
- Wear plates
- Pipe elbows

COVERAGE

10 kg kit covers 1.5 m² (16 sf)
Based on 3 mm thickness (120 mils)

COLOR

Blue

PACKAGING

Size	Reorder #	Size	Reorder #	Size	Reorder #	Size	Reorder #
1 kg	TX5-01	2 kg	TX5-02	10 kg	TX5-10	20 kg	TX5-20

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 per Weight	Base: Activator	
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 with the severity of the application, expected service life, and the initial substrate conditions. All sharp edges and welds shall be ground smooth or to a 3mm (120 mil) radius before abrasive blasting. Optimum preparation will provide a surface thoroughly cleaned of all contaminants and roughened to an angular profile between 75-125µm (3-5 mil). This is normally achieved by initial cleaning and degreasing and then abrasive blasting to a cleanliness of Near White Metal, or by mechanical preparation.

MIX

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 parts Base to 1-part Activator. Mix thoroughly to produce an even colored and streak-free material. THINNING: Never thin.

APPLICATION

Use heavy plastic squeegee or putty knife to apply a 3mm minimum thickness. Work material into profile of substrate to achieve maximum adhesive and to remove any entrapped air. Contour to correct form with putty knife or plastic applicator. If mold or form is used be sure to coat its surface with a release agent to prevent adhesion of the material.

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.



CURED TIME

	16°C (60°F)	25°C (77°F)	32°C (90°F)
Tack Free	45 min	30 min	20 min
Light Load	1 hour	45 min	30 min
Term Overlay	1 hour	45 min	30 min
Full Charge	1.5 hours	1 hour	45 min
Complete Chemical	4 hours	3 hours	2 hours

CLEAN

Tools should be thoroughly cleaned immediately after use with a strong 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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