

TX2

Ceramic Epoxy Wearing Compound



DATA SHEET

Taurus TX2 is a high-performance epoxy composite formulated with 100% solids, ceramic fillers, and a special aramid fiber reinforcement matrix that delivers superior protection in environments with severe abrasion and impact. Free of solvents and highly resistant to acids and caustics, TX2 is designed for industrial metal surfaces under extreme conditions. Its smooth, stable texture allows for easy application using a trowel, spatula, or by hand with latex gloves, and it can be built up to 500 mils in thickness without sagging, even when applied on minimally prepared surfaces and under tight maintenance schedules.

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

PACKAGING

| Size | Reorder # | Size | Reorder # |
|-------|-----------|-------|-----------|
| 1 kg | TX2-01 | 2 kg | TX2-02 |
| 10 kg | TX2-10 | 20 kg | TX2-20 |

TECHNICAL DATA

| | | | |
|---|------------------------------|-----------------|-------|
| Maximum Temperature (depending on the service) | Wet Service | 70°C | 158°F |
| | Dry Service | 93°C | 200°F |
| Solids by Volume | 100% | | |
| Viscosity | Pasta | | |
| 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 12.7mm (500mils) | No sagging | | |
| Mixing Ratio | 2:1 by Weight | Base: Activator | |
| Shelf Life (unopened containers) | 3 years at 55-95°F (13-35°C) | | |

APPLICATION AREAS

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

COVERAGE

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

COLOR

Gray



Taurus Epoxy, Inc.
4450 NW 126th Ave, Suite 107
Coral Springs, FL 33065 USA
Tel: (561) 757 - 5620
E-mail: taurus@taurusepoxy.com
Website: www.taurusepoxy.com



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 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 |

Manufacturer, Taurus Epoxy Inc., makes no warranty either expressed or implied including warranties of merchantability or fitness for a particular purpose for this product. Under no circumstances will the manufacturer be liable for incidental, consequential, or other damages, breach of warranty, strict liability, or any other theory arising out of use of this product. The information and or recommendations contained herein are based on standard Product and are proprietary and furnished solely for the use of our customers. This information is provided in good faith and believed to be true and accurate as of the date/version of this document. As the manufacturer has no control over the use conditions or application process of the parties using this product, the manufacturer cannot accept responsibility for loss, injury or other damages resulting from the use of the Product or this or any other information provided by the manufacturer. Therefore, no guarantees of any kind, expressed or implied, are made by the manufacturer, Taurus Epoxy Inc., regarding this, or any, product manufactured by them or any contracted or licensed manufacturer. Taurus epoxy products do not provide structural integrity or improvement. They are only used to provide protection from corrosion, wear, abrasion and chemical attack on a given substrate and only to the extent provided for in the Data Sheets, Technical Data Sheets, Safety Data Sheets, and any other information as supplied in writing directly from manufacturers technical support.

APPLICATION

Use a heavy plastic brush or putty knife to apply a minimum thickness of 3mm. 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.



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.

