T58-HT

Rapid Curing High Temperature Rebuild Ceramic Epoxy Putty

PRODUCT DATA SHEET

Composed of Novolac epoxy putty, 100% solid, with filling of ceramic micro spheres for metal reconstruction and abrasion protection. Fast curing and excellent chemical resistance with presence of strong caustics and acids. Suitable for high temperatures up to 280C. It is easily applied by trowel and spatula.

- Applies up to 12.7mm without sagging
- Extreme adhesion on steel, bronze, aluminum, concrete
- Protection against corrosion and abrasion

APPLICATION AREAS

- Axes
- Pump boxes
- Containers
- Centrifugal pumps
- Mills
- Heat exchangers
- Propellers
- Ventilators
- Impellers
- Metal structures
- Screw conveyors

COVERAGE

10 kg covers 5.6 m² (60 sf)
1 mm thickness (40 mils)

COLOR

Gray or blue. Green and red options

PACKAGING

Size	Reorder #	Size	Reorder #
1 kg	T58HT-01	2 kg	T58HT-02
10 kg	T58HT-10	20 kg	T58HT-20

TECHNICAL DATA

Maximum Temperature (depending on the service)	Wet Service Dry Service	230°C 280°C	446°F 536°F
Solids by Volume	100%		
Viscosity	Paste		
Mixed Density	1.8		
Shore D Hardness	(ASTM D 2240)	85	
Pot Life	60 min / kg at 72ºF		
SAG Vertical Resistance at 21°C (70°F) and 12 mm (1/2")	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

T58-HT

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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, the expected service life and the initial conditions of the substrate. All sharp edges and welds shall be roughed to a radius of 3mm (120 mil) with abrasive disc. Optimal preparation will provide a thoroughly cleaned surface of all contaminants and rough to an angular profile between 75-125m (3-5 mil). This is normally achieved by initial cleaning and degreasing and then abrasive blasting to a White Metal (SSPC-SP10) or close to white metal cleaning, followed by the removal of abrasive residues from the jet on the surface to be coated..

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

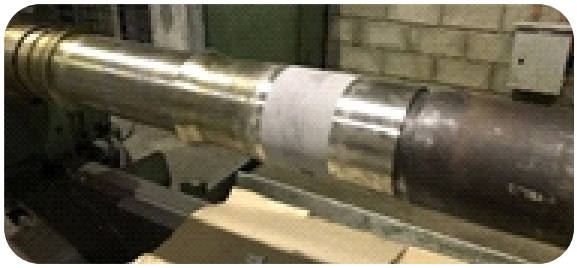
	16°C (60°F)	25°C (77°F)	32°C (90°F)
Tack Free	1.5 hours	1 hour	0.75 hour
Light Load	3 hours	2 hours	1.5 hours
Term Overlay	3 hours	2 hours	1.5 hours
Full Charge	12 hours	6 hours	4 hours
Complete Chemical	36 hours	24 hours	18 hours

FDA COMPLIANCE

This product complies with FDA regulations: FDA 21 CFR 175.300 and FDA 21 CFR 175.105.

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 mod is used or be sure to coat your surface with a 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 entry and work procedures, if applicable.

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