

T411

Quartz Reinforced Epoxy Concrete Mortar



DATA SHEET

Epoxy coating, 100% solids, epoxy filled with quartz for repairing concrete exposed to industrial environments. Easily applied with a trowel and spatula. Ultra-fast curing, excellent for anchoring heavy equipment.

- Excellent chemical and abrasion resistance
- Suitable for immersion and non-immersion service
- Fast anchoring of heavy equipment

APPLICATION AREAS

- Collectors
- Concrete walls
- Pump bases
- Concrete channels
- Tanks
- Secondary containment
- Neutralizers
- Equipment bases
- Pits, tunnels
- Floors
- Others

COVERAGE

60 Kg kit covers 7.5m² (81 sf)
6mm thickness (240 mils)

COLOR

Gray. Red as optional.

PACKAGING

Size	Reorder #	Kit Includes
60 Kg	T411-60	9 kg Resin / 45 kg Quartz 2 kg Krete-Seal Primer

TECHNICAL DATA

Maximum Temperature (depending on the service)	Wet Service Dry Service	50°C 60°C	122°F 140°F
Solids by Volume	100%		
Thermal Compatibility with Concrete	(ASTM C 884)	Pass	
Pot Life	55 min / kg at 72°F		
SAG Vertical Resistance at 21°C (70°F) and 6mm (240mils)	No sagging		
Mixing Ratio - Liquid	3:1 by weight - Base: Activator		
Mixing Ratio - Mortar	1:5 by weight - Resin Mix: Quartz		
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		



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 vital for long-term performance. The prepared concrete surface must be structurally sound, free of all contaminants, and roughened to a profile >ICRI CSP 3 (similar to #60 grit sandpaper). Taurus T411 can be applied directly to concrete.

MIX

To facilitate mixing and application, all material temperatures should be between 21°–32 °C (70°–90 °F) prior to mixing. Taurus T411 should be applied shortly after the application of primer T497. The primer must remain tacky before applying T411; otherwise, the area must be re-primed. This is optimal within 2 hours of application, depending on environmental conditions. Mix the Base first to disperse pigments. Then thoroughly mix Base and Activator in a suitable container using a slow-speed mixer. After that, transfer the mixed resins to an epoxy mortar mixer containing one bag of quartz and add gradually. Total mixing time should be a minimum of 3 minutes or until evenly blended.

APPLICATION

The mixed Taurus T411 can be distributed over the floor surface using screed guides and a rigid bar or screed box, no wider than 1.2m (3.93ft). Apply a minimum thickness of 6mm (240 mil) and finish the surface with a steel trowel. **IMPORTANT:** During application, press T411 firmly onto the substrate to promote contact with the primer and ensure complete compaction. Finish the mortar surface with a smooth, closed-texture finish.



CURED TIME

	16°C (60°F)	25°C (77°F)	32°C (90°F)
Tack Free	1 hour	45 min	30 min
Light Load	4 hours	3 hours	2 hours
Term Overlay	4 hours	3 hours	2 hours
Full Charge	8 hours	6 hours	4 hours
Complete Chemical	16 hours	12 hours	10 hours

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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