

TFLEX-MEMBRANE

Concrete Flexible Epoxy Membrane



DATA SHEET

Flexible compound, 100% solids, epoxy filled with ceramic microspheres to seal tank bases with excellent adhesion to metals, concrete, and other substrates. TFLEX-Membrane is liquid and can be easily applied in thicknesses up to 1 mm without sagging on vertical surfaces. It provides excellent chemical resistance, great flexibility, and elongation.

- For tank bases, concrete slabs
- Provides excellent sealing between concrete and metal
- Easily applicable on horizontal and vertical surfaces

APPLICATION AREAS

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

COVERAGE

10 kg kit covers 7m² (75 sf)
1 mm thickness (40 mils)

COLOR

Gray

PACKAGING

Size	Reorder #	Size	Reorder #
1 kg	TFLEXM-01	2 kg	TFLEXM-02
7.5 kg	TFLEXM-7.5	15 kg	TFLEXM-15

TECHNICAL DATA

Maximum Temperature (depending on the service)	Wet Service Dry Service	-30°C 93°C	-22°F 200°F
Elongation	70%		
Mixed Density	1.4		
Pot Life	55 min / kg at 72°F		
Resistencia Vertical SAG at 21°C (70°F) and 1 mm (40mils)	No sagging		
Mixing Ratio	6:1 by 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 of vital importance 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). For metal, the minimum preparation should be mechanical cleaning St2/St3. Taurus TFLEX-Membrane can be applied directly onto metal and concrete.

MIX

Thoroughly mix the activator into the base using a mixing stick, scraping the sides and bottom of the container. Mix by weight at a ratio of 6 parts Base to 1 part Activator. Mix thoroughly until a uniform, streak-free material is obtained. Never add solvents.

APPLICATION TEMPERATURE

Application temperature range of 10°C (50°F) to 32°C (90°F) (substrate).

For maximum protection against immersion or spills, a 2-coat system is recommended.

To prevent sagging on vertical surfaces, the maximum wet film thickness should be between 500 µm – 1000 µm (20–40 mils) per coat.

APPLICATION

It can be applied by brush or roller.

To prevent sagging on vertical surfaces, the maximum wet film thickness should be up to 1 mm (40 mils) per coat.



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

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.

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