

PRODUCT PROFILE:

T-Floor is a three-component, 100% solids, polymer-quartz-aggregate-concrete repair compound and an excellent solution for the repair and protection of concrete and stonework. This product offers outstanding chemical resistance, adhesion, strength, and hardness. T-Floor is suited for horizontal surfaces, but may also be applied on vertical substrates.

TYPICAL APPLICATIONS:

- Concrete Repair
- Street and Curb Repair
- Surfacing and resurfacing areas with extreme wear, impact, and abrasion resistance

PRODUCT FEATURES AND BENEFITS:

- 100% Solids, No VOCs
- Lightweight, easy to use concrete repair
- Stronger than concrete
- Long term protection
- Good color match to concrete

CHEMICAL RESISTANCE:

- Acetic Acid up to 10%
- Ammonium Hydroxide up to 10%
- Black Liquor
- Bleach
- Isopropyl Alcohol
- Mineral Acids
- Lactic Acid up to 10%
- Nitric Acid up to 25%
- Gasoline
- Kerosene
- Most Phosphates
- Phosphoric Acid
- Potassium Hydroxide up to 30%
- Sodium Hydroxide up to 40%
- Hydrochloric Acid up to 38%
- Sulfuric Acid up to 75%
- 1,1,1-Trichloromethane
- White Liquor

PHYSICAL PROPERTIES

Appearance	Resin & Hardener: liquid	Aggregate: pre-wetted, granular powder
Color	Resin: Light yellow	Hardener: Amber Aggregate: Light grey
Viscosity	Resin: 600 cps (25°C)	Hardener: 100-150 cps (25°C)
Density	Resin: 1.14	Hardener: 1.02 Aggregate: 1.60-1.70
Odor	Faint Epoxy Odor	
Mix Ratio for small quantities by weight	4:2.2:93.8 (Resin: Hardener: Aggregate)	
Mix Ratio for 25 Kg units by weight	2.24 lbs:1.22 lbs:51.41 lbs (Resin: Hardener: Aggregate) (1.1 Kg:0.5 Kg:23.3 Lg)	
Coverage Rate	Each 25Kg unit applied at film thickness [1/4 inch (6mm)] will cover approx. 20 sq. ft.	
Volatile Organic Compounds (VOC)	0 grams/liter	
Recommended Thickness	As needed. Minimum recommended dry film thickness 1/4 inch (6mm)	

ASTM TESTING INFORMATION

Abrasion Resistance (ASTM D4060)	118 mgm weight loss per 1000 cycles:1 kg load-CS17 wheel
Impact Resistance (ASTM D2794)	20 in lbs
Dry Heat Resistance (ASTM D2485)	300°F (149°C)
Direct Pull Adhesion (ASTM D4541)	700 psi-concrete failure
Scrub Resistance (ASTM D2486)	>10,000 cycles
Compressive Strength (ASTM D695)	14,000 psi
Flexural Strength (ASTM D790)	9,500 psi
Shrinkage (ASTM C426)	Nil

POT LIFE

77°F (25°C)	1 hour
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SHELF LIFE

32°F-86°F (0°C-30°C)	5 years
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CURE TIME

	75°F (24°C)	96°F (36°C)	120°F (49°C)
Touch Free	4 hours	4 hours	4 hours
Hard Dry (pedestrian traffic)	5 hours	2½ hours	45 minutes
Full Mechanical Hardness	15 hours	3½ hours	1½ hours
Full Chemical Resistance	5 days	11 hours	8 hours

SURFACE PREPARATION:

For optimal coating performance, take considerable care with surface preparation. Surface should be clean and free from oils.

MIXING PROCEDURES:

****NOTE**:** Do not mix partial units

STEP 1. PRIMER

- A) Empty entire amount of Hardener into Resin container. Mix thoroughly, until uniform in consistency.
- B) Mix an additional 1-2 minutes being sure to pay attention to sides and bottom of container.
- C) Use brush provided to wet out surface.

STEP 2. AGGREGATE

- A) Empty entire amount of Hardener into Resin container. Mix thoroughly, until uniform in consistency.
- B) Mix an additional 1-2 minutes being sure to pay attention to the sides and bottom of container.
- C) Immediately, and with mixer still running, slowly add the Aggregate component into the resin mixture until the desired consistency is obtained. For screeding or trowelling, add all the aggregate to the mixed resin. Mix for 5 minutes and immediately proceed with the application.

APPLICATION:

Apply T-Floor with a trowel, putty knife, or other appropriate tool. When working with T-Floor, dip the trowel in ethanol or a mixture of ethanol and water to reduce sticking.

CLEAN UP:

Mixing tools should be cleaned immediately after use with any effective solvent (e.g.: MEK, acetone, etc.).

ORDERING INFORMATION

For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call 877-98ARMOR.

Data Sheet Revised July 2009

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