

Revised on April 2012

T-FLOOR

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
- Long term protection
- Lightweight, easy to use concrete repair
- Good color match to concrete
- Stronger than concrete

CHEMICAL RESISTANCE

- | | | |
|--------------------------------|-------------------------|---------------------------------|
| • Acetic Acid up to 10% | • Lactic Acid up to 10% | • Potassium Hydroxide up to 30% |
| • Ammonium Hydroxide up to 10% | • Nitric Acid up to 25% | • Sodium Hydroxide up to 40% |
| • Black Liquor | • Gasoline | • Hydrochloric Acid up to 38% |
| • Bleach | • Kerosene | • Sulfuric Acid up to 75% |
| • Isopropyl Alcohol | • Most Phosphates | • 1,1,1,-Trichloromethane |
| • Mineral Acids | • Phosphoric Acid | • 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)
Pot Life @ 77°F (25°C)	1 hour
Shelf Life @ 32°F-86°F (0°C-30°C)	5 years

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)	greater than 10,000 cycles
Compressive Strength (ASTM D695)	14,000 psi
Flexural Strength (ASTM D790)	9,500 psi
Shrinkage (ASTM C426)	Nil

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.).

SAFETY

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and material safety data sheets before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user.

Please contact ErgonArmor for further information at 877.982.7667 or FAX 601-933-3381. For all Terms and Conditions of Sale see ergonarmor.com.

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.

