

# ARMORTILEPROOF

## Polymer Based Special waterproof coating for Tile Placement

### Product Description:

ARMORTILEPROOF - is an effective and easy to use high performing polymer modified cementitious membrane, which is mixed with water to form a dense, semi flexible waterproof barrier for the waterproofing of bathrooms, kitchens and other wet. ARMORTILEPROOF is based on Advanced Polymer technology; it possesses outstanding adhesion, mechanical properties, enhanced flexibility and excellent crack bridging properties. ARMORTILEPROOF does not contain any ingredient which could negatively affect reinforcement or concrete.

### Typical Applications:

ARMORTILEPROOF can be used for the waterproofing of the following areas:

- Waterproofing of Bathrooms before tiling
- Waterproofing of kitchen floors and wall
- Waterproofing of Wet areas

### Advantages and Benefits:

- Helps to eliminate and prevent leakages in the future
- Helps to eliminates damage to aesthetics of your structure
- It is easy to apply, can be applied by any trained Tile installer
- Because of its high coverage, it offers an affordable alternative to protecting your structure from water damage
- Can be applied to damp and moist substrates and allows concrete breath

### Surface Preparation:

- Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean, with substrate compressive strength at a minimum 25MPa and cohesive strength a minimum 1.5MPa.
- Smooth shiny surfaces to be roughened or etched. Rough surfaces are to be evened or filled first with Armor Repair Mortar.
- Repair all static crack, honeycombs, All surfaces are to be free from loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods according to International Surface preparation.

### Mixing and Application:

ARMORPROOFTILE is packed in a 20kg bag and should be mixed as illustrated below:

- Pour 5.5 to 5.8 Liters of clean water into container, slowly add Armorprooftile and continue mixing.
- Mix thoroughly for a period of 3 minutes with a slow mechanical mixer to a slurry consistency without any powder or lumps. Mixing manually may not achieve optimum product performance.
- Before the application Armorprooftile the surface must be made damp (SSD) with water to allow proper adhesion
- Armorcoat-1k must be applied in a minimum of two layers with rollers, brush, trowel or spray gun.
- In areas with Micro cracks or prestressed Fiber glass should be used for the application of Armorprooftile

Protect fresh application from rain, frost and direct sunlight in very hot weather. Armorprooftile should not be applied in very cold temperatures less than 40 F.

**Technical Data:**

<b>Appearance : Grey or White Powder    When mixed: Grey Viscous Slurry    When Dry: Grey Film</b>		
<b>Test</b>	<b>Results</b>	<b>Methods</b>
<b>Comprehensive strength</b>	<b>22.7Mpa at 28 days</b>	<b>ASTM C-109</b>
<b>Flexural Strength</b>	<b>2.3mpa at 28 days</b>	<b>ASTM-348 modified</b>
<b>Bond/Adhesion</b>	<b>&gt;1.5mpa</b>	<b>ASTM-C321</b>
<b>Crack Bridging at high temperature</b>	<b>&gt;0.75mm</b>	
<b>Permeability</b>	<b>1.5 Bar positive and Negative water head</b>	<b>DIN 1048</b>
<b>Bond strength at immersion in Water</b>	<b>&gt;0.5</b>	
<b>Reaction to fire</b>	<b>Class E</b>	
<b>Bond strength after application of heat source</b>	<b>1.5</b>	<b>EN 14891-A</b>

\*All data are based on laboratory conditions. In practice, climatic variations such as humidity and temperature may affect these Values

**Recomendations:**

- Do not apply when rain is imminent, however application two hours before rain will still be effective
- Do not add cement, sand or gypsum to ARMORPROOFTILE
- ARMORPROOFTILE should be applied in two coats, which must not be more than 2mm per coat
- ARMORPROOFTILE should be applied to dampen substrate ( SSD) and not surface saturated with water
- ARMORPROOFTILE first and second coat should be applied at the earlier of two hour from each

other or as soon as the first coat has dried.

- For large areas, after the application of ARMORPROOFTILE, ARMORSIL self-Absorbent fabric should be installed on the first coat, it should be trowel pressed into the first coat, and the second coat should then be applied after two hours.
- For areas where tiles are to be installed, ARMORPROOFTILE should be allowed to cure for two days before the installation of tiles.

ARMORFIX tile adhesive from ARMORSIL can be used for the installation of the ceramic tiles on ARMORPROOFTILE

**Consumption:**

1.1KG/m2 per mm of thickness

**Packaging:**

20Kg

**Storage:**

ARMORPROOFTILE can be stored in a cool dry place for a period of 12 months.

**When Still in Fresh State:**

ARMORPROOFTILE can be cleaned with copious amount of water. However, after hardening it can only be cleaned from equipment and tools through mechanical means. Health and Safety Instruction:

ARMORPROOFTILE contains cement that when in contact with bodily fluid may cause irritation and other allergic reaction to those predisposed. . Safety gloves and goggles should be worn when mixing or applying ARMORPROOFTILE . If ARMORPROOFTILE comes in contact with bodily fluid or eyes rinse immediately with copious amount of water and seek medical attention immediately. Please refer to the most recent MSDS for more information.



**ARMORSIL MANUFACTURING INCORPORATION**

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