



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 areas. 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:

- **H**elps to eliminate and prevent leakages in the future
- Helps to eliminate 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 breathe

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:

ARMORTILEPROOF 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 Armortileproof 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 Armortileproof the surface must be made damp (SSD) with water to allow proper adhesion
- Armortileproof must be applied in a minimum of two layers with rollers, brush, trowel or spray gun.
- In areas with Micro cracks or pre-stressed Fiber glass should be used for the application of Armortileproof

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

Technical Data:

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

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

Recommendations:

- 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 ARMORTILEPROOF
- ARMORTILEPROOF should be applied in two coats, which must not be more than 2mm per coat

- ARMORTILEPROOF should be applied to dampen substrate (SSD) and not surface saturated with water
- ARMORTILEPROOF 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 ARMORTILEPROOF, 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, ARMORTILEPROOF 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 ARMORTILEPROOF

Consumption:

1.1Kg/m² per mm of thickness

Packaging:

20Kg Bags

Storage:

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

When Still in Fresh State:

ARMORTILEPROOF 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:

ARMORTILEPROOF 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 ARMORTILEPROOF. If ARMORTILEPROOF 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

Sede legale: VIA Montello 48,INT #3 Pordenone, Italy. 33170. Tel: +
30256365-16 www.armorsil.com, info@armorsil.com ,
sales@armorsil.com

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