PolyTile 400

High-Performance Polymer-Modified Waterproof Tile Adhesive

Description

PolyTile 400 is a premium-grade, polymer-modified waterproof cementitious tile adhesive designed for internal and external fixing of floor and wall tiles.

Formulated with Portland cement, synthetic polymers, selected silica sand, and advanced chemical additives, the adhesive delivers excellent workability, strong bonding performance, slip resistance, and durable waterproof protection for a wide range of tiling applications.

Key Features

- Waterproof formulation
- Excellent bond strength
- Slip-resistant application
- Easy to mix and apply
- Smooth and easy application
- Wall and floor applications
- High workability and pot life
- Suitable for internal / external use

Area Of Use

- Bathrooms, kitchens, and shower areas
- Balconies, swimming pools, and fountains
- Internal and external wall and floor applications
- Hospitals, offices, and shopping malls
- Cementitious and concrete substrates
- Wet and dry tiling applications

Technical Properties

Appearance	Powder	
Color	Grey - White	
Wet Density	~ 1.65 Kg/l	
Adhesion Strength (N/mm²) (28 Days)	Initial Adhesion	1.40
	After Heat Ageing	1.10
	After Water Immersion	1.20
	After Freeze-thaw cycle	1.40
Shear Strength (N/mm²)	28 Days	> 1.70
Slip Resistance	Excellent	
Water Resistance	Excellent	
Pot Life (25 °C)	~ 45 Min	
Consumption	2 kg/m²/1mm	

All values are nominal and subject to a tolerance of ± 5-10%

Packaging

PolyTile 400 is available in:
25 Kg Bag

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Standard Compliance

- EN 12004 C2TE
- ISO 13007 C2TE
- ANSI 118.4
- EN 1346 & 1348
- BS 5980

If mixed with PolyPrime SBR:

- EN 12004 - ISO 13007- C2TES1

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Application Procedure

Surface Preparation

All substrates must be sound, clean, dry, and free from dust, grease, oil, curing compounds, laitance, and loose particles.

Concrete and blockwork substrates should be fully cured prior to application.

Pre-dampen absorbent substrates with clean water to minimize water absorption from the adhesive mortar.

For gypsum surfaces, apply PolyPrime Acryl before tiling.

Mixing Procedure

Add the contents of PolyTile 400 into 5.0–5.25 liters of clean water and mix using a slow-speed drill until a smooth, lump-free consistency is achieved.

Allow the mixture to stand for approximately 5 minutes before remixing prior to application.

Application Instruction

Apply the mixed adhesive evenly onto the prepared substrate using a suitable notched trowel.

Comb the adhesive to achieve uniform distribution and firmly press the tiles into the wet adhesive using a twisting motion to ensure full contact and eliminate voids beneath the tiles. Spot fixing is not recommended.

Remove excess adhesive before hardening and allow appropriate curing time before grouting.

Recommended grouting time is approximately 24 hours for walls and 48 hours for floors under normal conditions.

Quality & Care

All products provided by PolyCrete are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001, ISO 14001 & ISO 45001.

Health & Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor. For further information or particular use, contact PolyCrete Technical Department.

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