PolyTile Star

Water Resistant Cementitious Tile Adhesive

Description

PolyTile Star is a high-performance, water-resistant cementitious tile adhesive formulated for fixing ceramic tiles on walls and floors in internal and covered external applications.

The product consists of Portland cement, selected silica sand, synthetic binders, and advanced chemical additives engineered to provide excellent adhesion, high workability, and durable tile fixing performance.

Key Features

- Excellent tile adhesion
- Water-resistant formulation
- Smooth and easy application
- High workability
- Extended pot life
- Wall and floor applications

Area Of Use

- Ceramic tile installation on floors and walls
- Kitchens, bathrooms, and wet areas
- Corridors, offices, and service areas
- Shops, malls, and commercial flooring applications
- Concrete, cement board, and cement block substrates
- Residential and commercial tiling works

Technical Properties

Appearance	Powder	
Color	Grey - White	
Wet Density	~ 1.63 Kg/l	
Adhesion Strength (N/mm²) 28 Days	Initial Adhesion	0.90
	After Heat Ageing	0.50
	After Water Immersion	0.70
	After Freeze-thaw cycle	0.70
Shear Strength Using PolyPrime SBR (N/mm²)	7 Days	0.5
	28 Days	1.4
Slip Resistance	Excellent	
Water Resistance	Excellent	
Pot Life (25 °C)	~ 45 Min	
VOC	< 1 g/l	
Consumption	2 kg/m²/1mm	

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

Packaging

PolyTile Star 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 - C1
- ANSI A118.1

If mixed with PolyPrime SBR:

- EN 12004-C2T, EN 1346, 1348
- ANSI A118.4

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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 Star 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.

For areas subjected to movement or vibration, PolyPrime SBR may be added to improve flexibility and adhesion performance.

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

Recommended grouting time is approximately 12 hours for walls and 24 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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