

Description

PolyFix HPA is a high performance flexible cementitious tile adhesive for both external and internal applications. Ideal for facade tiling, large format tiles application, applications where expansion cycles are expected and/or dynamic loading is present.

Uses

PolyFix HPA is used for fixing ceramic tiles, marble tiles, granite, terrazzo, and quartz tiles on most construction substrates (concrete, masonry, and cement plaster).

Applicable conditions include:

Where thermal and dimensional variations are expected

Applicable cases include:

- Swimming pools
- Industrial kitchens
- Stairs
- Heated floors
- Terraces
- Facades

Features

- Can withstand dynamic loading and submerged conditions as in water retaining structures.
- Suitable for tile fixing in heavy traffic areas.
- High bonding strength even in damp conditions.
- Can be used with large format tiles.
- Water proofing characteristics.
- Non shrink formula.
- Safe, non flammable, and non hazardous.

Technical Properties

Color	grey & white
Curing time	24 hours
Correction time	15 minutes
Bonding strength	> 2.6 MPA at 28 days
Compressive strength	> 22 MPA at 28 days
Water absorption	Below 1%
Wet density	1800 kg/m ³
Ph of the mix	Approx. 10
Shelf life	12 months

Standards

BS 5980 type I Class A

ANSI A118.1 – 1999

Application procedure

Surface preparation: Surface should be sound, clean and free of dirt, grease, sealers, mould release oils or curing compounds. For best results damp down the surface but not the tiles. During application surface must be free from rising dampness and other hydrostatic pressure.

Application: Mix the two parts of **PolyFix HPA**. Slowly add the powder to water to get a paste like, lump free consistency. Wait for 5 minutes. Remix thoroughly until you obtain a cream like consistency. Apply the mixture with a suitable notched trowel on to the substrate or the tile, and re-comb to adjust the surface, apply the tile and adjust by pressing carefully. It's recommended to work 3 to 5 square meters at a time. Apply the Grouting material after a minimum of 24 hours.

Coverage

The coverage is highly dependent on the substrate. However, approximately 2.5 kg is needed per square meter if a notched trowel (6 mm x 6 mm) is used.

Storage & Packing

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Available in 25 kg.

Health and safety

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

High Performance Tile Adhesive

PolyFix HPA

PolyCem

▶ engineered cements



Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose

PolyBit


HardStep
▶ concept engineered floorings

PolyCem
▶ engineered cements

FlexSeal

PolyInCrete
▶ tailored concrete

bitumen solutions
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