

# PolyFix FHP

## Description

**PolyFix FHP** is a two component highly flexible cementitious tile adhesive for both external and internal applications. Ideal for applications where vibration and/or dynamic loading is expected.

## Uses

**PolyFix FHP** 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
- Bathrooms
- Stairs
- Heated floors
- Terraces
- Hospitals

## 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                | 7 standard colors      |
| Curing time          | 24 hours               |
| Correction time      | 25 minutes             |
| Bonding strength     | 2.8 MPA at 28 days     |
| Compressive strength | 22.2 MPA at 28 days    |
| Water absorption     | Below 1%               |
| Wet density          | 1800 kg/m <sup>3</sup> |
| 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 FHP. Slowly add the powder (Part B) to the liquid (Part A) 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. kit.**

## 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.

Flexible High Performance Tile Adhesive

# PolyFix FHP

**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

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