



## Technical Data Sheet

### Description

**Tek-Tile HP** is a two component cementitious tile adhesive based on a high polymer system with superior adhesion, high strength, and interior & exterior application properties. It can be applied on all variety natural substrates in wet conditions.

### Advantages

- Two component
- Suitable for all wet conditions
- Water & Frost resistant
- High bond strength
- High polymer content
- Non-sagging
- For both vertical and horizontal applications

### Uses

- Concrete
- Porcelain
- Terrazzo
- Ceramic tiles
- Terracotta
- Marble
- Travertine
- Natural stones

### Physical Properties\*

Property	Typical Results
Compressive strength	>20 MPa – at 28 days
Flexural Strength	>3 MPa – at 28 days
Bond strength	Greater than cohesive strength of concrete
*The above properties are average laboratory values	

### Packing

**Tek-Tile HP** is available in 30 kg kit comprising of 25 kgs powder and 5 kgs liquid

### Available Color

Grey & White

### Theoretical Coverage/yield

Notch trowel size in mm	Amount in kg/m <sup>2</sup>
6 mm	3.5 to 4.0

### Application properties

Mixing ratio	Add 5.0 lt. of Part B for 25 kg of Part A bag
Application time	Approx. 15 minutes
Open time	Approx. 90 minutes
Load-bearing, ready for grouting	After 24 hours

### Shelf Life

12 months when stored in factory packed unopened bag, stored in a cool dry and elevated place away from direct sunlight.

### Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

### Surface Preparation

Surface preparation is important. All surfaces should be dry, clean, and free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping to ensure good bonding.

### Mixing

**Tek-Tile HP** is supplied as a two component cementitious product. Pour 4.5 to 5.5 liters of clean water into suitable clean container and mix with low speed drill (400-800 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve lump-free right smooth consistency.



## Application

**Tek-Tile HP** is applied in one coat at a thickness of 2 to 8 mm. To achieve a uniform thickness, the mortar should be spread with a notch trowel.

Do not spread more than 0.5 m<sup>2</sup> at a time. Spreading larger areas may result in the mortar drying out before tiles can be stuck to the adhesive, resulting in adhesion failure. The actual open time will vary according to the ambient conditions. Leave a minimum 1-2mm gap around every tile. Spread the adhesive onto the substrate using either a 6 mm x 6 mm notched trowel for wall tiling or a 12 mm x 12 mm notched trowel for floor tiling. The choice of trowel should be governed by the size of tile, the depth of knobs; grooves or ridges on the back of the tile and the evenness of the substrate. A 6 mm x 6 mm notched trowel is recommended for mosaic tiles.

A thicker bed of adhesive allows for better contact onto the substrate as well as compensating for unevenness particularly in the case of slates.

## Joints

Ensure that movement and perimeter joints are incorporated as per the standard practice.

## Precautions

Do not re-temper the mix.

Ensure the temperature of the mortar does not exceed 35°C at the time of mixing.

Do not mix by hand.

Do not part mix, use full pack.

Do not expose to running water until the product is fully cured.

## Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

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.

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