

# Expantile\* GP



CONSTRUCTION CHEMISTRY

## Polymer modified tile adhesive

### Uses

Expantile\* GP is a high quality adhesive for the permanent fixing of all types of tiles. It can also be used for fixing of insulating and acoustic boards based on expanded polystyrene/gypsum etc. Typical uses include:

- Wet areas - kitchens/bathrooms/swimming pools
- Tile claddings

### Advantages

- Tropical grade to suit local working conditions
- Good open wet time
- Good slip resistance
- High adhesive bond strength
- Water proof
- Non-shrink
- Can be used in totally submerged conditions

### Standards compliance

Expantile\* GP conforms to BS5980 Class AA Type 1 and suitability for contact with potable water as per BS 6920 Part 1.

### Description

Expantile\* GP cementitious based powder is available in grey or white colour.

### Technical support

Expanchem Fospak offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

### Instructions for use

#### Surface preparation

All surfaces must be sound and thoroughly clean before Expantile\* GP is applied. All traces of grease or oil must be removed with a chemical degreaser. All loose particles of mortar, old wallpaper, paint etc. must be physically removed.

#### Surfaces

Expantile\* GP can be applied directly on concrete, cement screeds, and cement or lime mortar. Special attention must be given to new construction prior to commencing tiling. Tiles should not be placed on concrete or block-work until all shrinkage movement has taken place.

To use Expantile\* GP on gypsum or gypsum board substrates, diluted Expanbond\* PVA (1 : 3 with water) should be applied to the surface of the gypsum or gypsum board prior to application of Expantile\* GP.

### Mixing

5 liters of water is required for each 20 kg bag, and 6.25 liters of water is required for each 25 kg bag of Expantile\* GP. A slow speed drill fitted with a Expanchem Mixing Paddle is recommended. Add powder to water and mix for 3 minutes, until a uniform and lump-free consistency

### Application

Expantile\* GP should be spread on the substrate to a uniform thickness of 2-3mm, and then combed horizontally. Place tiles firmly into adhesive bed, ensuring good contact with a twisting motion. Only apply to areas which can be tiled in the adhesive's open wet time (up to 1m<sup>2</sup> at a time).

### Joints

It is recommended that when fixing ceramic tiles, a minimum spacing of 2mm be left around each tile.

### Finishing

Remove excess adhesive with a damp cloth before material has set. Joint grouting with Expantile\* Grout may be commenced 24 hours after tiles have been laid.

### Cleaning

Expantile\* GP should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

### Limitations

Expantile\* GP should not be used when the temperature is below 5°C and falling. The product should not be exposed to moving water during application. If any doubt arise concerning temperature or substrate conditions, consult your local Expanchem Fospak office.



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## Estimating

### Supply

**Expantile\* GP** : 20 kg bags

### Yield

**Expantile\* GP** : Approx. 14.48 liters / 20 kg bag

**Note** : Actual yield will vary according to water addition  
Storage

### Shelf life

All products have a shelf life of 12 months if kept in a dry store in the original, unopened bags.

### Storage conditions

Store in dry conditions in the original, unopened bags or packs. If stored at high temperature and / or high humidity conditions the shelf life may be reduced.

## Precautions

### Health and safety

Expantile\* GP contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

### Fire

**Expantile\* GP is non-flammable**

\* Denotes the trademark registered.

## REGIONAL SALES OFFICES IN PAKISTAN:

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### Important note

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