

# ArmoFix TG

## 3 Component, chemical resistant epoxy grout for tiles.

### Description

**ArmoFix TG** is a chemical and abrasion resistant solvent free adhesive and grout ideal for demanding surface exposure or high traffic areas. **ArmoFix TG** may be applied in conditions where the substrate is humid.

**ArmoFix TG** is suitable for all types of ceramic tiles and stone in internal, external and submerged conditions. **ArmoFix TG** is a three component system consisting of a resin base, hardener and select fillers

### Fields of application

As a grout for filling quarry and ceramic tile joints where chemical and abrasion resistance properties are required such as laboratories, food processing plants, hospitals, abattoirs, kitchen and swimming pools etc.

When fully cured **ArmoFix TG** Grout is impervious to water and other liquids and provides chemical - resistant joints between walls and floor tiles. The grout may be used in tile joints up to 12 mm wide for internal or external applications. indoors.

### Advantages

- Easy to apply - fast application possible.
- Easy to clean-up during application - can be washed off with water until initial set.
- Long work life - gives long adjustability time.
- Waterproof - unaffected by water when cured.
- Interior or exterior use.
- Chemical resistant - excellent resistance to acid and alkalis.
- High bond strength to steel, concrete and tiles.
- Suitable for use in Middle East conditions.

### Technical data

Form	Part A - Base Part B - Hardener Part C - Filler powder
Colour	grey, white, ivory (variety of colours are available)
Mixed specific gravity	1.95 ± 0.05
Application temperature	from +5°C to +35°C
Application thickness	up to 20 mm
Pot life	40 - 60 min @ 25°C 25 - 35 min @ 35°C
Open time	at least 20 min
Compressive strength <i>ASTM C579-75</i>	72 MPa
Tensile strength <i>ASTM C307-61</i>	18 MPa
Bond shear strength <i>ANSI A118.3 E5.5</i>	07 MPa

### Direction to use

#### Surface Preparation

Ensure the tile adhesive is sufficiently cured prior to commencing grouting. Allow 24 hours when using Standard setting adhesives and 2-3 hours when using fast setting adhesives. It is important that surfaces should be clean and free from dust, loose particles and grease. Steel surfaces should be grit blasted and the grout applied within 3 hours of blasting.

#### Product Preparation

To ensure proper mixing especially for large mixes, a mechanically powered mixer or drill fixed with a suitable paddle should be used.

The entire contents of the base and hardener should be poured into a suitable size container and mixed for 2 minutes. Add the Filler powder to the base/hardener



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mixture and mix for another 3 minutes until a uniform colour is achieved.

## Application

Apply the prepared **ArmoFix TG** grout to the joints with a grouting trowel, squeegee or sponge, ensuring that the joints are completely filled. Compact the grout in the joints and clean off excess with a damp cloth or sponge as the grouting proceeds. All joint feathering, removal of residue and cleaning must be carried out before the grout has cured, using a clean damp sponge. It is important to change water and regularly clean the sponge. (Note: Foam rubber sponges are not compatible.) In order to achieve flush, wide joints, it is important to apply little or no pressure to the joint surface.

## Cleaning

The grout can be removed from tiles and tools before initial set using a damp rag. After initial set a solvan and/or mechanical removal is necessary.

## Precautions

Variation in the mixing ratio, the use of excessive cleaning water and site conditions may cause a variation in the colour or performance of the grout. Always trial a small area first if there is any doubt over the suitability of either the product or colour.

Swimming pools should not be filled for at least 10 days after grouting. All tile surfaces should be tested before starting to ensure that colour staining will not occur during grouting. Products will take longer to harden and set at lower temperatures and should not be used below 5°C.

## Packaging

8 kg and 4 kg pack containing Base, Hardener and Filler powder gives approximately 4 litres and 2 litres

## Shelf life & storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

## Health & safety

**ArmoFix TG** should not come in contact with skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provide additional skin protection.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention immediately.

For further information, refer to the Material Safety Data sheet.

## Notes

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