

# HighBond TG Flex

Cement based single component grout (super quality) for granite, ceramic and marbles

## Product Description

Cement based, single component grout for faience, granite, ceramic, china, marble, decorative brick, glazed tiles, cast and natural stone, HighBond TG Flex is impervious, flexible, non-shrink and durable to vibrations. HighBond TG Flex is available in wide range of brilliant colours that provide a uniform and aesthetic joint appearance.

## Areas of Application

- For the strong bonding of granite, marble, faience, ceramic, glazed tile, decorative brick, glass mosaic, cast and natural stones up to 7mm.
- Suitable for commercial and residential buildings.
- Anti-bacterial and anti-fungus grout.
- For the strong bonding of low absorbent ceramic coating.
- Can be used internally and externally.
- On wet areas like bathroom, kitchen, balcony, terrace, swimming pools and water reservoirs.
- Non-sag, excellent for wall applications.



## Advantages

- Reduced water absorption properties.
- Suitable for wet areas.
- High abrasion resistance.
- Low shrinkage rate, free of cracks.
- High bond strength.
- Anti-bacteria and anti-fungus.
- Easy to apply, non-sag with good workability.
- Suitable for internal and external applications.
- Uniform colour, for aesthetic joint appearance.
- Available in a wide range of colors.

### Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

### Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

### General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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## Standards

HighBond TG Flex complies with BS 5980, ISO 13007-3, BS EN 13888 and ANSI A118.6 as a standard cementitious grout.

## Method of use

- Before grouting ensures that the adhesive has completely dried and hardened.
- Adhesive should be left for 24 hours before applying the grout.
- All tiles and joints must be clean and free from oil, grease or loose materials.
- Remove the tile spacers and ensure that the grout joints are uniform and their width does not exceed 7 mm to avoid slumping.

## Mixing

- To ensure proper mixing, mechanically powered mixer or drill fitted with suitable paddle should be used.
- (6.5-8) liters of clean water should be added to clean container for each 20kg. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400-600 rpm).
- Mixing time should be continued for 3 min until uniform consistency is obtained.

## Application

- Using appropriate spatula or rubber float, fill with pressure the joints completely with HighBond TG Flex.
- Remove the excess grout from the face of the tile using a dry cloth.
- When the grout starts to set (usually 25 – 30 minutes at normal conditions), use a dampened sponge in a circular motion to remove the excess grout and level the joints.
- After drying, clean the tiles surface using a dry cloth.

It is recommended to remove grout from the tile surface before full setting of the grout. Failure to do so may result in difficulty in removing any remains and makes it necessary to use mechanical means in cleaning, which may scratch the tile surfaces.

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## Packaging

HighBond TG Flex is available in 20kg bags.

## Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

## Yield

The approximate yield of the grout EXTRA can be calculated as per the following equation:

$$\text{Yield (m}^2\text{/Kg)} = 6 / \{ WD [0.02 + (1/L) + (1/H)] \}$$

Where:

L: Tile length (cm)

H: Tile width (cm)

D: Average joint depth (mm)

W: Average joint width (mm)

Note : HighBond TG Flex yield subject to  $\pm 15\%$  tolerance.

## Storage

HighBond TG Flex has a shelf life of 24 months from date of manufacture if stored at temperature between 3 °C and 52 °C .

## Fire

HighBond TG Flex is nonflammable.

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