

# HighBond TA

Tile adhesive for ceramic & thermestone

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## Product Description

This is cement-based, single component adhesive which has high stability, easy to use and extremely economical. It is used for bonding tiles, ceramics, granite and marble on cement based surfaces like concrete, plaster and screed, and for permanent fixing of thermestone block.

## Areas of Application

- For the bonding of tile, ceramic, glazed tile, granite, marble, decorative brick, glass mosaic, cast and natural stone.
- For permanent fixing of thermestone block.
- Can be used internally and externally.
- Suitable for bathrooms and kitchens and wet area.
- For vertical and horizontal application inside and outside facades of the buildings.



## Advantages

- Extended open/ wet time.
- Water resistant, will not be affected in wet areas.
- Ready for use, just requires the addition of water.
- Non sag.
- Anti-bacterial and anti-fungus.
- High bond strength.
- Suitable for internal and external application.
- Resistant against impact and vibrations, highly adhesive.

## Priming

- HighBond TA be applied directly on concrete, cement plaster, screed and cement on line mortar.
- Prime gypsum boards and gypsum substrates with Ridge-Bonding Agent.

### 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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## Technical Data

Property	
Colour	Grey and White
Fresh wet density(mixed):	1.75±0.1 g/cm <sup>3</sup>
Open time: ISO 13007-2, 4.1	20 minutes
Pot life:	Approx. 3 hours
Tensile adhesion strength: EN1348:1999	>1.1n/mm <sup>2</sup>
Shear strength	18kg/cm <sup>2</sup>
Starting the joint application	24-48 hours (depending on whether it is on the wall or on the ground)
Application Equipment	Fine-toothed comb suitable for the size of covering

## Mixing

- To ensure proper mixing, mechanically powered mixer or drill fitted with suitable paddle should be used.

5.0-6.5 liter ( for each 25 Kg bags) of clean water should be added to clean container. 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 minutes until uniform consistency is obtained.

## Application

- Spread to a uniform thickness of 2 to 3mm.
- Comb horizontally.
- Place tiles firmly over the applied area.
- Do not apply large areas of adhesives that cannot be covered within the open wet time of the adhesive.

## Standards

- HighBond TA complies with BS 5980:1980 Class AA, Type 1 and ANSI A.118. 1 for shear strength.
- HighBond TA complies with BS EN 12004:2004: 2001, Type C2 for tensile adhesion strength.

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## Surface preparation

The floor, on which there will be application, should be cleaned of all loose parts, oil and other chemicals and the defects on the surface are to be repaired with Reidge Repair Mortar. If the temperature of the surface, where the application will take place, is above 25°C, surface has to be moistened and saturated.

## Yield

Approximately (8-9)m<sup>2</sup>/ 25kg bag, at 2mm thickness.

## Cleaning

All tools should be cleaned immediately after finishing by water. Hardened materials should be cleaned mechanically.

## Packaging

HighBond TA is available in 20 and 25Kg craft bags.

## Storage

HighBond TA has a shelf life of 24 months from date of manufacture if stored at temperature between 2 °C and 50 °C.

## Fire

HighBond TA is nonflammable.

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