

HighBond GA

High performance (Super Quality) cement based, single component, flexible adhesive for granite, ceramic, marble, thermostone and natural stone

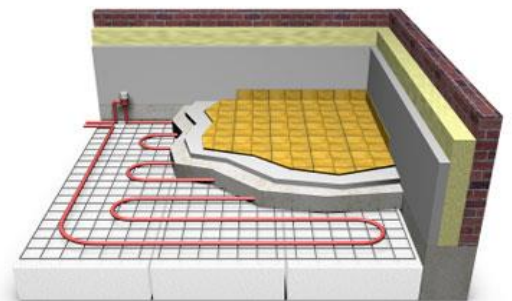
Product Description

HighBond GA is high performance cement based, one component flexible adhesive mortar. Used for bonding of granite, marble, thermostone and natural stone, faience, tile, ceramic, glass mosaics on cement based surface like concrete, plaster and screed.



Areas of Application

- For the strong bonding of granite, marble, faience, ceramic, glazed tile, decorative brick, and glass mosaic, thermostone, cast and natural stone.
- For the strong bonding of low absorbent ceramic coating.
- For the strong bonding of large format or heavy tiles.
- Laying all types of ceramic tiles and stone on all common construction substrates where slightly movements or deflections are likely.
- Highly recommended with under floor heating systems.
- Can be used internally and externally.
- Recommended for wet areas like bathrooms, kitchens, balcony, terrace, swimming pools and water reservoirs.
- On gypsum panel, prefabricated lightweight concrete structural elements.
- On any kind of surfaces which are prone to warping and thermal movements.
- Recommended to use for tile over tile applications with using Super Bonding Agent as a primer.
- Non-sag, can be used for vertical walls and floors.



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.

HighBond GA

High performance (Super Quality) cement based, single component, flexible adhesive for granite, ceramic, marble, thermostone and natural stone

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.

Technical Data

Property	
Colour	Grey or White
Fresh wet density(mixed):	1.75±0.1 gm/cm ³
Open time: ISO 13007-2, 4.1	30 minutes
Pot life:	2 hours @25 °C
Application Temperature	+5 °C to +55 °C
Service Temperature	-40 °C to +80 °C
Tensile adhesion strength: EN1348:1999, ISO 13007-2.4.4	>1.1n/mm ²
Shear strength	20kg/cm ²

Method of use

Surface Preparation

- All surfaces must be clean and free from oil, greaser or loose materials.
- Substrate should dimensionally stable. Allow time for shrinkage and structural strain movements.

Priming

- HighBond GA be applied directly on concrete, cement plaster, screed and cement on line mortar.
- Prime gypsum boards and gypsum substrates with Ridge-Bonding Agent.
- Prime tiles with super Bonding Agent when tile over tiles applied.

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.

HighBond GA

High performance (Super Quality) cement based, single component, flexible adhesive for granite, ceramic, marble, thermostone and natural stone

Mixing

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

5.0-6.5 liter (for each 25kg 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 GA complies with BS 5980:1980 Class AA, Type 1 and ANSI A.118. 1 for shear strength.
- HighBond GA complies with BS EN 12004:2004: 2001, Type C2 for tensile adhesion strength.

Yield

Approximately (8-9)m²/ 25Kg bag, at 2mm thickness.

Cleaning

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

Packaging

HighBond GA is available in 20 and 25Kg bags.

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.

HighBond GA

High performance (Super Quality) cement based, single component, flexible adhesive for granite, ceramic, marble, thermostone and natural stone

Storage

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

Fire

HighBond GA is nonflammable.

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.