



GLASS X BOND EPOXY

BNA Building Solutions' GLASS BOND EPOXY system is an impervious epoxy grout suitable for applications on all types of tiles and stones.

PRODUCT DESCRIPTION

BNA Building Solutions' GLASS BOND EPOXY is reactive diluent modified epoxy resin. Hardener is clear transparent, low viscosity modified curing agent. When both components are mixed in recommended ratio, it provides high gloss that are resistant to various chemicals. Low mix viscosity of system permits high filler loading and exhibit outstanding mechanical and chemical resistant properties. BNA GLASS BOND EPOXY is an impervious epoxy grout suitable for applications on all types of tiles and stones. When mixed as per instructions, it forms to a smooth, pourable easy-to-apply consistency which on final setting delivers high mechanical strength, impact, and abrasion resistance. It is also recommended for hygiene sensitive areas requiring sterile conditions, stain and chemical resistance. BNA GLASS BOND EPOXY grout is available in a wide spectrum of attractive colours.

PROPERTIES

Pot life at 30 +_1c	30 minutes
Mixed density	Approx: 1.07
Compressive strength (N/mm2)	70
Tensile strength (N/mC)	Approx: 15 (7days)
Flexural strength (N/mm2)	Approx: 30 (7days)

Packing : 500Gms
Shelf life : One year
Coverage : Depends on the tile size and width of joint between tiles.

High Gloss Liquid Epoxy Resin Kit



FEATURES & BENEFITS

- **Easy-to-use**
- **Resistance to stains and chemicals**
- **Excellent glossy finish**
- **Good chemical resistance**
- **Good resistance to amine blush**
- **Light colour Low mix viscosity**
- **Extremely low water absorption**
- **Available in a wide spectrum of over 20 attractive colours**
- **Early flexural properties**
- **For grout joints between 1mm-10mm**
- **High resistance to abrasion.**
- **High Compressive strength**
- **Hygienic and does not support bacterial growth**

COVERAGE CHART

Tile length	Tile width	Spacer	Depth	Sqft*
300	300	5	2	75
300	300	3	2	125
600	600	5	2	100
600	600	3	2	150
800	800	5	2	125
800	800	3	2	175

* Approximate vary from site to site

METHOD OF APPLICATION

1 • Surface Preparation

- The tiles/ stones should be firmly set and the adhesive or bed mortar should be completely dry.
- Remove the spacers before grouting. Grout joints must be clean and free of water, dirt or dust.
- Excess of mortar bed should be removed from the tile joints. Fill the tile joint with suitable latex modified tile grout, leaving a depth of min 2mm for filling with glass bond epoxy.
- All joints should be cleaned by washing with water/detergent. Avoid any acid washing methods.
- Ensure the joints are completely dry before grouting.

2 • Mixing

Please ensure proper personal protective equipment's (PPE) before mixing.

- Take 2 parts resin & 1 part hardener in the ratio of 2:1 by weight
- Mix the resin & hardener for a minute. Add required quantity of pigment/glitter to get the desired colour/texture and mix all the components for another 2 minutes.
- Prolonged mixing is to be avoided as it traps air and shortens pot life.
- The mixed workable grout can be used up to 30 minutes at 30C.
- No water to be added in the mix.

3 • Product Application

Before the application process ensure proper PPE

- Only grout a small area at a time and ensure that the joints are firmly filled and free of voids.
- The application is done using the long nozzle applicator given along with the material.
- Wipe off any excess material immediately with a sponge or an appropriate tool.
- The area should be cordoned to prevent any accidental damage to the grout.
- After the grout has fully hardened (generally after 24 hours), use a suitable sharp tool to remove any residue of grout left over on top of tiles.
- Never use water for cleaning off the excess material.

Safety: Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, it should be washed off immediately with soap and warm water. Avoid breathing vapours, mist or gas. Please refer to the SDS for detailed safety instructions.

Spills and disposal: In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Soak up with an absorbent such as clay, sand or other suitable material. Flush area with water to remove trace residue. Do not allow the product to reach the sewage system. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.

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