



GelBOND EPOXY

High Gloss Gel Epoxy Resin Kit



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 GEL BOND EPOXY WALLBOND is a gel-like, solvent-free, two-component grout based on an epoxy resin containing a cycloaliphatic polyamine hardener. 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, 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 Gel BOND EPOXY grout is available in a wide spectrum of attractive colours.

Pot life at 30±1°C	30 minutes
Mixed density	Approx 1.15
Compressive Strength (N/mm ²)	30 N/mm ²
Tensile Strength (N/mm ²)	40 N/mm ²
Water absorption	<0.5%

Chemical Properties	
Sodium Chloride Solution 10%	stable
Salt water	stable
Soda lye 10%	stable
Hydrochloric acid 10%	stable
Acetic acid 10%	conditionally stable

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

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

- Easy-to-use • Resistance to stains and chemicals • Excellent glossy finish
- Good chemical resistance • Easy Dosing and mixing-high creeping strength due to gel like consistency • 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 • Thixotropic; suitable for application on walls and floors • Hygienic and does not support bacterial growth



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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. BNA colour pigment can be added up to max. 5% by weight.
- 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 easily using BNA tool squeegee, but can also be done using rubber float, squeegee, or other appropriate tool.
- 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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