



SANTEC GLASS BOND EPOXY

PRODUCT DESCRIPTION

Santec Glass Bond Epoxy is a two component low viscous liquid used to fuse natural as well as artificial stone to fill porosity, hairline crack, major crack and hole. System will also enhance the colour of natural stone as well as improve gloss.

Part A : Resin

Part B : Hardner

USES

- Can be used as anti-bacterial, antifungal property in the kitchen.
- Decorative purpose in swimming pools, malls, bungalows, factory etc
- Use as mortar and grout filling where extremely high strength is required.

FEATURES & BENEFITS

- Easily pigmented
- High strength after curing
- Excellent adhesion
- Very good gloss property
- UV resistant

SUITABLE SURFACE

- Stones
- Ceramic Tiles
- Vitrified Tiles.

SURFACE PREPARATION

Wash the entire area with water and make the area dust free and clean the joint with an air blower to remove debris. Before applying the grout, make the surface and grout slightly damp with a sponge. Do not clean tiles with acid cleaners. In case acid cleaners were used to clean the tiles, ensure to wash the area with plenty of water before commencing grouting. Substrate temperature must be between 60°F (16°C) and 90°F (32°C).

MIXING INSTRUCTION & APPLICATION

Mixing Instruction

Take part A of Glass Bond Epoxy in a clean pale and mix it with a slow speed hand stirrer and slowly add part B of Glass Bond Epoxy till the water-like clear mixture obtains. Mixing ratio - 2:1 (Part A : Part B). If required pigmentation is done before mixing of part B of Glass Bond Epoxy.

Application Process

- 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.

Application Condition

- Residual moisture content of the stone substrate should not exceed 5%.
- No rising moisture & potential osmosis problems.
- Substrate temperature should be at least 3°C above dew point but not above 50°C.
- Recommended ambient temperature for application is between 10°C - 40°C.
- Relative Air Humidity (RH) to not exceed beyond 80%.

CLEANING

Required Residual traces of the product can be removed with free hand before the product has hardened.

TECHNICAL DATA

Base	Part A : Epoxy Resin Part B : Epoxy Hardener
Aspect	Part A : Liquid Part B : Liquid
Colour	Part A : Clear water like Part B : Clear water like
pH	N/A
Mixing Ratio	2:1 (Part A : Part B)
Gel/Pot Time @25 °C	60-70 min
Tack Free Time @25 °C	8 to 10 hour
Mix Viscosity	400±50 CPS
UV Stability	Yes
Hardness after 24 hour (shore D)	70 -80

The data given is for guidelines only. The physical values are subject to normal manufacturing tolerances, colour and testing variances. The coverage & consumption figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.

PACKAGING

- **0.500 KG**
 - Part A : 0.200 KG
 - Part B : 0.100 KG
 - Part C : 0.200 KG

STORAGE & SHELF LIFE

Keep in a cool and well ventilated area. For best results, use within 7 days from opening to avoid possible spoilage. For product expiry information, please refer to the product packing.

ANNOTATION

- Always mix pigment in part A before adding part B of Glass Bond Epoxy.
- Use a mix product in 30 min before mixing.
- Do not apply on wet surfaces.
- Always use a good quality brush, sponge, scrubber or white cotton cloth while applying to avoid damaging the surface due to the decolorization.
- While using any tools like spray pumps, low hand pressure pumps, water jets, mixer machines, grinding machines in application, clean the inner and outer surface of the tool to avoid any kind of damage to the surface and material to be used.

HEALTH & SAFETY

Precautions

- During application wear protective clothing, gloves and eye goggles during application. Avoid products to contact eyes and skin.
- Keep out of reach of children.
- Not for internal consumption
- Apply between temp. 5°C to 35°C.
- Use only in well ventilated areas.
- Wash hands thoroughly after applying.

Accident

- Use water spray

Spillage

- Take up mechanically or with absorbent material

First Aid

- If swallowed, contact a physician.
- If in skin contact wash skin with water and remove contaminated clothing.
- If you come in contact with the eye, hold open, flood with water for at least 10 min and contact a physician.

NOTES

The information above is believed to be accurate and represents the best information currently available to Santec Chemical Private Limited. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the Santec Chemical Private Limited be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if the company has been advised of the possibility of such damages.

COMPANY DETAILS

Corporate Office : SANTEC CHEMICAL

PRIVATE LIMITED, Malappuram, Kerala, India.

Call : +91 7247 555 666

E-mail : info@santecchemicals.com

Website : www.santecchemicals.com

For feedback or complaints, write to Marketing Manager Services on the above mentioned address.