SANBOND

TECHNICAL DATA SHEET

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SOLID GLASS BOND

Two-component, low-viscosity epoxy that fuses natural and artificial stone, fills porosity, cracks and holes, and enhances colour and gloss.

Specialized for floor · Easily pigmented · UV resistant



2 : 1	70–80	400 ± 50 cPs	60–70 min
Mix ratio (A : B)	Shore D hardness (24 h)	Mix viscosity	Pot life @ 25 °C

01 PRODUCT DESCRIPTION

Sanbond Solid Glass Bond is a two-component, low-viscosity liquid used to fuse natural as well as artificial stone and to fill porosity, hairline cracks, major cracks and holes. The system also enhances the colour of natural stone and improves its gloss.

Part A – Resin | **Part B** – Hardener

02 USES

- Anti-bacterial and antifungal application in kitchens.
- Decorative use in swimming pools, malls, bungalows, factories, etc.
- As mortar and grout filling where extremely high strength is required.

03 FEATURES & BENEFITS

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

04 SUITABLE SURFACES

- Stone
- Ceramic tiles
- Vitrified tiles

05 SURFACE PREPARATION

Wash the entire area with water, make it dust free and clean the joints with an air blower to remove debris. Before applying, make the surface and joints slightly damp with a sponge. Do not clean tiles with acid cleaners; if acid cleaners were used, wash the area with plenty of water before commencing.

Substrate temperature: 16 °C – 32 °C (60 °F – 90 °F)

06 MIXING INSTRUCTIONS

Take Part A of Sanbond Solid Glass Bond in a clean pail and mix it with a slow-speed hand stirrer, slowly adding Part B until a clear, water-like mixture is obtained. Mixing ratio **2 : 1** (Part A : Part B). If pigmentation is required, add the pigment before mixing in Part B.

07 APPLICATION PROCESS

01 Work on a small area at a time and ensure that the joints are firmly filled and free of voids.

02 Apply using the long-nozzle applicator supplied with the material.

03 Wipe off any excess material immediately with a sponge or an appropriate tool.

04 Cordon off the area to prevent any accidental damage while it cures.

05 Once fully hardened (generally after **24 hours**), remove any residue left on the tiles with a suitable sharp tool.

06 **Never use water** for cleaning off the excess material.

08 TECHNICAL DATA

Component	Part A	Part B
Base	Epoxy resin	Epoxy hardener
Aspect	Liquid	Liquid
Colour	Clear, water-like	Clear, water-like

Property	Value
Mixing ratio	2 : 1 (Part A : Part B)
pH	N/A
Gel / pot time @ 25 °C	60 to 70 min
Tack free time @ 25 °C	8 to 10 hours
Mix viscosity	400 ± 50 cPs
UV stability	Yes
Hardness after 24 h	70 – 80 Shore D

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

09 APPLICATION CONDITIONS

- Residual moisture content of the stone substrate should not exceed 5%.
- No rising moisture or potential osmosis problems.
- Substrate temperature at least 3 °C above dew point, but not above 50 °C.
- Recommended ambient temperature for application: 10 °C – 40 °C.
- Relative air humidity (RH) not to exceed 80%.

10 CLEANING

Residual traces of the product can be removed by hand before the product has hardened.

11 PACKAGING

Pack	Part A	Part B	Part C
0.500 kg	0.200 kg	0.100 kg	0.200 kg

12 STORAGE & SHELF LIFE

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

13 ANNOTATIONS

- Always mix pigment into Part A before adding Part B.
- Use the mixed product within 30 min of mixing.
- Do not apply on wet surfaces.
- Always use a good quality brush, sponge, scrubber or white cotton cloth during application to avoid damaging the surface through decolourisation.
- When using tools such as spray pumps, low hand-pressure pumps, water jets, mixers or grinding machines, clean their inner and outer surfaces to avoid any damage to the surface and the material.

14 HEALTH & SAFETY

PRECAUTIONS

- Wear protective clothing, gloves and eye goggles during application. Avoid contact with eyes and skin.
- Keep out of reach of children.
- Not for internal consumption.
- Apply between 5 °C and 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.
- On skin contact, wash skin with water and remove contaminated clothing.
- On eye contact, hold the eye open, flood with water for at least 10 min and contact a physician.

15 NOTES

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