SANBOND

TECHNICAL DATA SHEET

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CRYSTAL CLEAR EPOXY

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

Crack filler & stone coating · Mix ratio 2 : 1 · 0.800 + 0.400 kg pack

20–30 m²	150–200 µm	60–70 min	8–10 h
Coverage per kg	Coat thickness	Pot life @ 25 °C	Tack free @ 25 °C

01 PRODUCT DESCRIPTION

Sanbond Crystal Clear Epoxy 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

- Crack filling and coating of marble and granite.
- Micro pinhole filling of marble.
- Joint filling of two adjoining stones.
- Gives a good gloss and uniformity to treated stone.

03 FEATURES & BENEFITS

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

04 SUITABLE SURFACES

- Marble
- Granite
- Natural stone

05 SURFACE PREPARATION

Grind the stone surface well and make it uniform before application. Open hairline cracks and pinholes with sharp blades or a grinding machine. Make the surface, cracks and holes thoroughly clean, dust free and dry before applying Sanbond Crystal Clear Epoxy.

06 MIXING INSTRUCTIONS

Take Part A 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.

Do not part-mix the components – partial mixing will affect both the performance and the appearance of the finished floor.

07 APPLICATION PROCESS

- Pour the mixed product onto the surface and spread it evenly with a putty blade, to a thickness of 150 to 200 microns.
- If required, apply a second coat after 24 hours on the dry surface of the first coat.

08 TECHNICAL DATA

Property	Value
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 to 70 min
Tack free time @ 25 °C	8 to 10 hours

09 CONSUMPTION

Surface	Coverage
Marble / granite	1 kg covers 20 to 30 m^2

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.

10 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%.

11 CLEANING

Residual traces of the product can be removed from tools with a suitable epoxy remover before the product has hardened.

12 PACKAGING

1.200 kg kit – Part A 0.800 kg + Part B 0.400 kg.

13 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.

14 ANNOTATIONS

- Check the colour of the finish to confirm it meets the client's desired colour.
- Use the mixed product within 30 min of mixing.
- Polish only after a minimum of 24 hours from application; it may take longer in cold weather.
- 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.
- Always mix pigment into Part A before adding Part B.
- 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.

15 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.

16 NOTES

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SANBOND
STC Marketing
Vettukad, Malappuram, Kerala 673638, India

CALL +91 7736 555 666
E-MAIL info.sanbond@gmail.com
WEB www.sanbond.in