SANTEC
BUILD WITH CARE

PART A
0.800 kg

PART B
0.400 kg

TECHNICAL DATA SHEET

Santec

Crystal Clear Epoxy

Two-component, low-viscosity epoxy that fuses natural and artificial stone, filling pores, cracks and holes while enhancing colour and gloss.



Easily Pigmented · High Gloss · UV Resistant

2 : 1	60–70 min	8–10 hrs	20–30 m²/kg
MIXING RATIO A : B	POT LIFE @ 25 °C	TACK-FREE @ 25 °C	COVERAGE

01 Product Description

Santec Crystal Clear Epoxy is a two-component, low-viscosity liquid used to fuse natural as well as artificial stone, filling porosity, hairline cracks, major cracks and holes. The system also enhances the colour of natural stone and improves its gloss.

Two components
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 Suitable Surfaces

- **Marble**
- **Granite**
- **Natural stone**

04 Features & Benefits

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

05 Surface Preparation

Before applying Crystal Clear Epoxy, grind the stone surface well and make it uniform. Open up hairline cracks and pinholes using sharp blades or a grinding machine.

Make sure the surface, cracks and holes are **clean, dust-free and completely dry** before application.

06 Mixing & Application

Mixing ratio by weight

Partial mixing is not acceptable

PART A · EPOXY RESIN	PART B · HARDENER
2 parts	**1 part**

1 — Pour Part A
Take Part A in a clean pail.

2 — Pigment (optional)
If colour is required, mix pigment into Part A before adding Part B.

3 — Add Part B
Stir with a slow-speed hand stirrer while slowly adding Part B.

4 — Mix until clear
Keep mixing until a clear, water-like mixture is obtained.

5 — Spread
Spread the mix evenly over the surface with a putty blade.

6 — Thickness
Apply at 150 – 200 micron per coat.

7 — Second coat
If required, apply after 24 hours on the dry first coat.

8 — Polish
Polish after at least 24 hours; allow longer in cold weather.

Important: mixing only part of the components is not acceptable and will affect both the performance and appearance of the finished floor.

07 Application Conditions

10–40 °C	≤ 80 %	≤ 5 %	+3 °C	None
Recommended ambient temperature	Relative air humidity	Residual moisture of stone substrate	Substrate above dew point, max. 50 °C	Rising moisture or osmosis problems

08 Technical Data

COMPONENT	A PART A	B PART B
Base	Epoxy resin	Epoxy hardener
Aspect	Liquid	Liquid
Colour	Clear, water-like	Clear, water-like

PROPERTY	VALUE
Mixing ratio	2 : 1 (A : B)
Gel / pot time @ 25 °C	60 – 70 min
Tack-free @ 25 °C	8 – 10 hours

PROPERTY	VALUE
Coat thickness	150 – 200 micron
Recoat / polish	After 24 hours
pH	N/A

09 Consumption

20–30 m² **per 1 kg**
on marble / granite

Data is a guideline only. Physical values are subject to normal manufacturing tolerances, colour and testing variances. Coverage figures are theoretical and do not allow for extra material needed due to surface porosity, profile, level variations or wastage.

10 Packaging

Kit

Part A · Resin	**0.800 kg**
Part B · Hardener	**0.400 kg**

11 Storage & Shelf Life

Keep in a cool, well-ventilated area. For best results, use within **7 days of opening** to avoid possible spoilage.

For product expiry information, refer to the product packing.

12 Cleaning

Remove residual traces of the product from tools with **Santec Epoxy Remover** before the product has hardened.

13 Annotations

- Check the colour before application.
- Always mix pigment into Part A before adding Part B.
- Use the mixed product within 30 minutes of mixing.
- Do not apply on wet surfaces.
- Always polish after a minimum of 24 hours; it may take longer in cold weather.
- Use a good-quality brush, sponge, scrubber or white cotton cloth to avoid surface damage from discolouration.
- Clean the inner and outer surfaces of tools (spray pumps, water jets, mixers, grinders) to avoid damaging the surface and material.

14 Precautions & First Aid

⚠ **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.

Handling

- Apply between 5 °C and 35 °C.
- Use only in well-ventilated areas.
- Wash hands thoroughly after applying.

Accident & Spillage

- Accident: use water spray.
- Spillage: take up mechanically or with absorbent material.

First Aid

- If swallowed, contact a physician.
- Skin: wash with water; remove contaminated clothing.
- Eyes: hold open, flood with water for at least 10 min and contact a physician.

15 Notes

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