



## SANTEC 2K EPOXY

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### PRODUCT DESCRIPTION

Santec 2K Epoxy is a water cleanable solid epoxy mortar and non sagging system for joint filling of tiles and stone. This kind of joint filling requires high strength, impact resistance & chemical resistance required. Industrial Epoxy is also available with the name of Santec Industrial Epoxy which offers more hardness and more chemical resistance.

### USES

- As a antifungal and antibacterial grout filling
- Can be used in heavy traffic area
- Use as mortar and grout filling where extremely high strength is required.
- Decorative purpose in swimming pools, malls, bungalows, factories etc..

### SUITABLE SURFACE

- Ceramic tiles
- Vitrified tiles
- Stone

### 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 application of grout make the surface and grout slightly damp with 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

Empty entire contents of Santec 2K Grout Part A and Part B container into a clean pail. Mix with a slow speed drill mixer until Santec 2K Epoxy Part A and Part B are completely blended homogeneously. Pour the entire mix of bucket onto the working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work with Santec 2K Grout into tile joints. May fill the tile joint with putty blade. Be sure all grout joints are packed full. Remove as much excess material as before initial cleaning. Do not allow excess grout on the face of tiles.

### Application Process

- Mix Part A and Part B as per mix ratio
- Mix Part A and Part B at the ratio of 9:1
- Fill the mix mass in a grout joint with rubber float.
- Ensure that the joint is completely filled.
- Remove excess grout from the tile with a float.
- Ensure that the fill joint should not come out.
- Leave the area for 25 to 40 min
- Add plenty of water on joint
- With floor cleaning pad clean the joint in clockwise direction 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%.

<b>Bond Strength</b>	7.55 Mpa
<b>Compressive strength</b>	50.45 Mpa
<b>Tensile Strength</b>	15.25 Mpa

## TECHNICAL DATA

<b>Base</b>	Part A : Epoxy Resin Part B : Epoxy Hardener
<b>Aspect</b>	Part A : Paste Part B : Liquid
<b>Colour</b>	Part A : Pigmented Part B : Pale yellow
<b>pH</b>	N/A
<b>Mixing Ratio</b>	9:1 9 - Resin 1 - Hardner
<b>Gel/Pot Time @25 °C</b>	35 to 45 min
<b>Tack Free Time @25 ° C</b>	6 to 7 hour
<b>Working time</b>	1 hour
<b>UV Stability</b>	Yes
<b>Heavy traffic</b>	72 hour
<b>Shrinkage</b>	after 7 days < 0.3 %

## SUITABLE SURFACE

- **1 kg**
  - Part A : 0.900kg
  - Part B : 0.100 kg
- **5 kg**
  - Part A : 4.500 kg
  - Part B : 0.500 kg

## STORAGE & SHELF LIFE

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

## ANNOTATION

- It is recommended to check the colour of the grout, if it is meeting the desired colour of the client.
- Plan to provide proper movement joints, peripheral joints as to accommodate movements in tile/stone and use flexible grout / sealant to fill these movement joints.
- Non provision of movement joints will lead to cracks.
- So many tiles and stones have good absorption so there might be a chance of color mark.
- Always use good quality brush, sponge, scrubber or white cotton cloth while application to avoid damaging the surface due to the decolorization

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- 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.

## Precautions

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.

- 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

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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. Users must always refer to the most recent issue of the local product datasheet. Always test on a small area First and allow a 24 hour cure time to determinate ease of application and desire time.

## COMPANY DETAILS

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