

TECHNICAL DATA SHEET

CERAPOXY 5

RAPID SET PREMIUM EPOXY ADHESIVE



DESCRIPTION

CERAPOXY 5 is a structural rapid set epoxy adhesive which sets in five minutes and a two-component adhesive with high bond strength and excellent durability.

FEATURES

- Strong adhesion
- Excellent water resistance
- Non sag on vertical surface
- Rapid Setting (only 5 minutes)
 - cure with 1 hour at 25°C.
- Excellent adhesion to wet side
- Excellent chemical resistance
- Simple 1:1 Mix ratio
- Low VOC

USES

- Bonding of Masonry, precast concrete, stone panels marble, granite, slate, ceramic tiles on walls or overhead surfaces up to 45 degrees in interior or exterior applications
- Repair (concrete pipes and tanks, fiberglass articles, concrete floors and stairs, and concrete columns)
- Also, an excellent product for kitchen countertop installation

SPECIFICATIONS

Main Constituents	Epoxy resin, polyamide resin
Net Weight	Available in 20kg kit (component A: 10kg, component B: 10kg)
Colour	Off White
Mixing Ratio	1:1
Pot Life	Approximately 3 minutes
Curing time	5 minutes
Drying time	1 hour
Set Life	12 Months

* Depends on temperature, humidity, surface porosity, etc.

* Under generally accepted hygrothermal conditions

COVERAGE

Standard Usage	10 – 20 m ² / 20kg (1 kit)
----------------	---------------------------------------

* Guidance only. Figures may vary depending on angle you hold trowel at, substrate properties, workmanship, etc.

**Depends on substrate, tile size and type, tiling method, etc.

SUITABLE TILE TYPES

All types of natural stone, ceramic and porcelain tiles, etc *

* Consult SSANGKOM before using CERAPOXY 5 with non-standard-size tiles or specially treated tiles.

SUBSTRATE PREPARATION

Ensure that, before applying:

- Mortar substrates (concrete, etc.) are fully cured for at least 4 weeks;
- Substrate remains even with the minimum undulation (meaning up to 3mm-rises in any given 2.4m linear section is accepted) and sharp protrusions removed;
- Substrate is clean and free from foreign substances such as dust and grease;
- Absorptive substrates (such as ALC blocks) are primed using SSANGKOM Perfect Primer to improve bonding;
- Substrate remains dry;
- Absorptive substrate is pre-treated by spraying water that helps absorb less moisture off tile adhesives applied;
- Substrate is not exposed to contraction and excessive vibration;
- Make sure to keep the surface at temperatures 5 - 25°C.
- Substrate remains structurally solid and durable; and
- Weaker surfaces and unevenness that may cause tile adhesion failure on a substrate are removed.
- IMPORTANT: All substrate preparation works and the installed substrate are in compliance with the relevant Australian Standards.

MIXING

Mix ratio 1:1 , 1 part resin to 1 part hardener by volume

APPLICATION

1. Remove enough moisture or contaminants on the surface (removal of dust in the stone and angle areas).
2. Mix the main material and curing agent in a ratio of



- 1:1. (Be cautious, as the mixture may generate heat after mixing.)
3. Mix only the required amount of adhesive and use within the pot life.
 4. Apply the mixed adhesive to the bonding area.
 5. After Curing, use a scraper to remove any protruding areas and finish with polishing.

PRECAUTIONS

General

- Recommendations and suggestions are for guidance only. If any doubt about suitable preparation of tile types, etc., be sure to contact SSANGKOM prior to application.
- Do not mix with other products.
- Do not apply directly to frozen or frosted surfaces.
- Store only in temperatures between 5 - 35°C.
- The mixing ratio (1:1) must be followed.
- Changes in drying time resulting from installation in a humid environment or high moisture content of substrates may cause discolouration, but it will not affect performance.
- Protect the product from direct light, moisture, and heat.
- Use within the pot life, so do not mix a large amount at one time.
- Curing time may vary according to the thickness, climate, humidity, surfaces, and site conditions. Allow longer drying times in cool or damp weather conditions.
- Avoid inhaling fumes and prevent contact with skin.
- If adhesive contacts the skin, wipe off immediately with water or a wet tissue, then wash thoroughly with soap and water
- To enhance adhesion, ensure there is no movement until the adhesive has initially cured.
- Refer to the installation guide for detailed application instructions.

HEALTH

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

SAFETY

Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately, or if you feel unwell, call a poison centre/doctor.

FIRST AID

Eye contact: Immediately flush eyes and skin with running water for at least 20 minutes. Get medical attention.

Skin contact: Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing

and shoes. Get medical attention. Remove substance immediately if contacting skin. If small amount of substance contacts skin, prevent diffusion.

Inhalation: Keep warm and at rest. Immediately consult a doctor. If not breathing, give artificial respiration. If exposed to dust and fume, blow the off with clean air and take medical action if symptoms develop. If breathing is stopped or irregular, supply oxygen. Move person to fresh air.

Swallow: Immediately consult a doctor. Wash mouth out with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

AUSTRALIAN POISONS INFORMATION CENTRE: 13 11 26 (24 HOUR SERVICE), 000 (POLICE OR FIRE BRIGADE)

NOTES

The details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time this Technical Data Sheet is printed. Contents in this Technical Data Sheet and the product properties may change without notice.

DISCLAIMER

To the maximum extent permitted by law, SSANGKOM disclaims all warranties in relation to any loss or damage resulting from use of out-of-date product, incorrect use of the product, or negligence. Even if problems occur while using the product, SSANGKOM's responsibility is limited to replacement and refund of such product.

Data were developed by the researchers in SSANGKOM in-house laboratory and based on the hands-on work experiences. To improve product quality, data may change without notice. Data may not be optimized in some sites. Consult SSANGKOM should you have any doubts.

TECHNICAL DATA SHEET

CERAPOXY 5
AUGUST 2024

Produced in accordance with ISO 9001
Q Mark certified

SSANGKOM PTY LTD
www.ssangkom.com.au
Tel: 1300 995 879

