

1.0 Description:

- TILETONE is a two components solvent free epoxy mortar used for filling tile joints.
- Its hardener is a mixture of a cyclo-aliphatic polyamine & reactive polyamide.
- Suitable flexibility to overcome tile movements.
- Has a smooth non-pours final surface, thus high resistance to fungi, bacteria and algae.
- Good durability against abrasion.
- Non-sag epoxy mortar suitable for vertical and horizontal applications.

2.0 Uses:

- After adding the suitable filling, it can be used for
- Filling joints of ceramic, marble tiles, granite in horizontal and vertical surfaces, specially pharmaceutical factories, laboratories, hospitals ...etc
- Applying coves between vertical and horizontal surfaces.

3.0 Approval & Certification:

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|-------------------------------|---------------------|
| Compressive Strength | : ASTM C579-18 |
| Pull Off Adhesion Test | : ASTM D7234 |
| Abrasion Resistance | : ASTM D4060-19 |
| Household Chemical Resistance | : ASTM D543-20 |
| Micro-Organism Report | : JIS Z 2801,2010 |
| VOC | : SCAQMID Rule 1113 |

4.0 Colours:

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|------------------------|----------------|
| Resin + Hardener + F5A | : Dark colors |
| Resin + Hardener + F5B | : Light Colors |
| Resin + Hardener + F5C | : White Color |

5.0 Product Data:

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|-------------------------------|---|
| Solid Content | : 99±1 % |
| Density (R+H+F) | : 1.35 gm/cm ³ (R + H : Filling 1:1) |
| Compressive Strength | : 41 N/mm ² |
| Pull Off Adhesion Test | : 2.27 N/mm ² |
| Abrasion Resistance | : 80 mg |
| Household Chemical Resistance | : Resistance (attached tests) |
| Micro-Organism Report | : decrease in bacterial growth (attached tests) |
| VOC | : 6 g/l |

6.0 Consumption per coat:

| | |
|---------------------|---|
| Consumption (R+H+F) | : 1.35 Kg/m ² /1mm thickness |
|---------------------|---|

7.0 Surface Preparation:

- Substrate should be free of oil grease, dust, or any other dirt.
- All weak, broken or separated tiles shall be replaced before application

8.0 Application Methods:

1. Clean the joints & make sure to remove all extra adhesive in the joints.



2. Assure that the tile surfaces are completely covered and protected, especially porous tiles.
3. Wear gloves & eye goggles before working & be sure of good ventilation.
4. Add TILETONE resin to hardener in a suitable container and mix well.
5. Add the third component (FILLING F5A, F5B or F5C) and mix well, till you get a homogenous paste.
6. Using a paste knife tool, fill the joints with TILETONE within a period that should not exceed 30 min. then smooth the surface with a sponge.
7. In case you covered the tiles with adhesive tape, remove the tape directly after finishing, before setting of TILETONE.
8. Clean tools using solvent: Thinner.

Notes:

- *Temperature of the substrate should be min 10°C and below 35°C.*

9.0 Product mixing Ratio by weight:

| | | |
|--|----------------------------|-------------|
| Resin : Hardener | : 4.0 : 1.0 | by weight |
| Resin + Hardener : Filling (F5A, F5B or F5C) | : 1.0 : 0.5 – 1.0 | as required |
| Container | : Sealed pre weighed Steel | |
| Total Weight (R+H) | : 1.0 | kg |

Notes:

- *The product components shall not be divided as total weight of each component shall be totally used.*
- *Slow Mechanical Mixing is recommended.*
- *Mixed components should be transferred to a third container and remixing should take place to reach ultimate results.*

10.0 Pot life, Drying and curing time:

| | | |
|---------------------|------|---------------|
| Initial Curing Time | : 24 | hours at 24°C |
| Final Curing Time | : 7 | days at 24°C |
| Pot Life | : 30 | min at 24°C |

11.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

12.0 Handling of Epoxy Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

13.0 Compatibility:

- Primers applied prior to specified product shall always be epoxy based products.
- For floor Repairing and fixing defects, product shall always be epoxy based products
- For Wall repairing and smoothing surface a cement based, or epoxy-based products can be used.
- Recoating can be epoxy or polyurethanes products.

14.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

15.0 Storage:

- Store in steel containers, above ground, and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.