

TECHNICAL DATASHEET

ASCOPOXY PUTTY

Epoxy Based High Strength Concrete Repair Putty



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PRODUCT INTRODUCTION

ASCOPOXY PUTTY is epoxy based two component high strength, thixotropic repair mortar. **ASCOPOXY PUTTY** is designed for the restoration of damaged concrete and floor. **ASCOPOXY PUTTY** has high ultimate compressive strength, flexural and tensile strength. **ASCOPOXY PUTTY** provides a thixotropic synthetic mortar with strong adhesion to concrete on vertical and horizontal substrates. **ASCOPOXY PUTTY** is suitable to use as a crack repair system exposed to a wide range of environments.

KEY FEATURES

1. Bonding between plaster substrate and window
Highly recommended for old concrete floor applications
2. Suitable for use in industrial flooring, garage, exhibition hall, bridges, concrete slab, pillar
3. Suitable for repair of structures exposed to saline water and also concrete jetty
4. Chloride free and inhibits corrosion and decrease the probability of corrosion induced crack
5. Exceptional bond strength to concrete substrates
6. High compressive strength and resistant to damage
7. Superior flexural and tensile strength
8. High abrasion resistance after repair for surface imperfections and irregularities in concrete
9. Excellent adhesion with various types of masonry substrates
10. Internal & external applications including submerged applications in concrete and steel
11. Increases the life of structures after its application in repair
12. High chemical resistance

RECOMMENDED APPLICATIONS

1. Repair of concrete damaged by rust or corrosion or sea water exposure
2. Repair of spalled column, beam, slab, pillar etc. caused by corrosion of steel
3. High build repair (10 mm to 70 mm) for vertical, overhead and horizontal applications
4. Repair requiring high ultimate compressive, tensile and flexural properties
5. Repair of damaged concrete floor and panels where structural strength is required
6. This is very useful for filling the gaps in between tiles, marbles, granite and slates. In other words, this product can also be used as an Epoxy Tile Grout.

TECHNICAL PROPERTIES

Appearance	(A) Resin – Soft Putty; (B) Hardener – Soft Putty
Color *	(A) Resin – Off White; (B) Hardener - Off White; Mixed : Off White
Solid Content	100 ± 2%
Initial Setting Time	24 hours
Final Setting Time	7 Days
Compressive Strength	≥ 40 N/mm ² @ 7 days
Flexural Strength	≥ 10 N/mm ² @ 7 days
Tensile Strength	≥ 10 N/mm ² @ 7 days
Pull Out Bond Strength	≥ 2.0 N/ mm ² @ 7 days

** This product is also available in different standard colors like Grey, Ivory, Brown, Black, etc.*

APPLICATION METHODS:

1. SURFACE PREPARATION

Substrates should be clean & free from all contaminants, loose particle, coating, dirt, mold, oil etc. Substrates must be sound, rough & dampened to ensure a good bond.

2. CLEAN UP

Wash all the application tools with warm water or soap solution or paint thinner immediately after its use. Cured material can only be removed mechanically.

3. APPLICATION

Weak surface or algae or fungus has to be removed and repaired to provide a solid foundation. It is recommended that a minimum depth of 5 mm is to be prepared for large areas. Break out the repair area to a minimum of 5 mm up to the saw cut edge. Scabbing or high pressure water blasting should be used to remove its laitance and provide a mechanical key. If any corroded steel is present remove all loose scales and corrosion/rust deposits. Grit blasting is effective in removing corrosion of all types of steel including re-bar. It should be cleaned properly before applying **ASCOPOXY PUTTY**. Steel is recommended to be treated with **ASCOPRIME RUSTCON** to stop its corrosion.

4. CURING

The surface is ready to walk after 1 day and full strength is achieved after 7 days.

5. COVERAGE

900 ± 100 gm /sq. mt. per 1 mm thickness depending on substrate.

6. PACKAGING

ASCOPOXY PUTTY is available in (a) 4 Kg. resin and 2 Kg. hardener and also (b) 20 Kg resin and 10 Kg hardener packs.

7. SHELF LIFE

12 months from the date of production if stored in original unopened packaging protected from direct exposure of moisture, heat and frost.

DISCLAIMER:

While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at www.ascolite.in. Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.