

RECTOP 1002

LOW-MODULUS EPOXY REPAIR KIT

DESCRIPTION

RECTOP 1002 is a three-component, 100% solids, low-modulus, moisture insensitive, epoxy repair kit designed to provide a high strength, wear resistant surface to worn and damaged high-use floors. RECTOP 1002 can be colored with RECKON COLOR PACKS; available in 33 standard colors.

PRIMARY APPLICATIONS

- Warehouse floors
- Loading docks
- Mechanical rooms
- Parking decks and ramps
- Food storage areas
- Bridge decks
- Runways

FEATURES/BENEFITS

- No measuring of components
- Pre-measured resin, hardener and specially blended "non-dusting" aggregate
- Low modulus resin binder used for stress relief and resistance to impact
- Resistant to thermal and mechanical movements
- Rapid cure, minimizes down time
- May be applied as low as 40°F (4°C)
- 33 colors available using color packs

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C)

Pot Life, kit, minutes20 to 30

Initial Cure, 1/2" (13mm) thick, hrs.3 to 4

Tensile Strength, ASTM D 638 psi (MPa).2,700 (18.6)

Tensile Elongation, % 45

Tensile Strength, ASTM C 307 psi (MPa). 1,250 (8.6)

Flexural Strength, ASTM C 580 psi (MPa).3,600 (24.8)

Hardness, Shore D, min. ASTM D 2240.85

Water Absorption, ASTM D 570 24 hrs %.<0.5

Thermal Compatibility ASTM C 884.passes

Effective Shrinkage ASTM C 883.passes

Adhesion to Concrete

ACI Method 503R-30.concrete failure

Compressive Strength, psi (MPa), ASTM C

109 (modified)

Duration -----75°F----- 40°F

18 hours ----7,000 (48.7)----4,000 (27.6)

3 days---- 9,400 (64.8) ----6,800 (46.9)

7 days ---9,800 (67.6)----,000 (55.1)

Appearance: RECTOP 1002

resembles light brown sugar when applied on a concrete floor. RECTOP 1002 can be colored using a RECKON COLOR PACK, which is available in 33 standard colors.

PACKAGING

RECTOP 1002 is packaged in 0.4 ft³ (.011 m³) kit consisting of premeasured components of Part A

(Base), Part B (Hardener) and Part C (Aggregate) all contained in a 5 gal (18.7 L) bucket.

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS/COMPLIANCES

ASTM C 881 Type III, Grade 1, Class A & B

DIRECTIONS FOR USE

Surface Preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants.

Any exposed steel must be cleaned to a “white” metal finish.

Mixing: Remove the contents from the RECTOP 1002 kit. Premix can containing Part A (base) and Part B (hardener) separately. Pour the entire contents of Part A and Part B into the supplied pail. Mix thoroughly using a slow speed ½” drill and a “Jiffy” mixer. Mix for 3 minutes. Make sure to scrape the bottom and sides of mixing container while mixing. Do not whip air into the product while mixing. Gradually add the supplied aggregate to premixed epoxy and blend thoroughly. Be sure to mix the epoxy thoroughly before adding the concrete.

Application: For best results, condition the RECTOP 1002 to 75°F (24°C) for at least 24 hours prior to application. Apply epoxy repair kit immediately after mixing with a trowel or screed. Material should be scrubbed into a dry surface for best adhesion. Trowel the material against the edge and gradually work toward the center of the repair area. Immediately after the mortar has been placed, aggregate can be broadcast into the wet resin to provide a more textured finish. Minimum application thickness of RECTOP 1002 is 1/4” (6 mm); the maximum thickness is 3” (7.62 cm).

RECKON Universal Color Packs: RECTOP 1002 can be colored using 1 RECKON COLOR PACK per unit. Prior to mixing the unit together with aggregate, stir 1 color pack into the part “A” side of the product until it is fully dispersed. Proceed with mixing as stated above. RECKON COLOR PACKS are available in 33 standard colors, see RECKON COLOR CHART for available colors.

PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F to 90°F (10 to 32°C).
- Do not apply at application temperatures below 40°F (4°C).
- The materials should be conditioned at 75°F (24°C) when used for low temperature applications.
- This material should not be exposed to water during initial cure.
- If the repaired area is to be exposed to severe chemical abuse, it should be top coated with a chemical resistant coating from Reckon Chemical.
- Do not aerate during mixing.
- In all cases, consult the Safety Data Sheet before use.

COVERAGE

Directions for Use One kit yields 0.4 ft³ (.011 m³). Applied at 1/4" (6.3 mm) thickness, one kit will cover approximately 18 to 20 ft² (1.6 to 1.8 m²)

CLEAN-UP

Clean tools and application equipment immediately after use with methyl ethyl ketone or acetone. Clean spills or drips while still wet with same solvent. Dried RECTOP 1002 will require mechanical abrasion for removal.

WARRANTY: The Reckon Chemicals (Pvt.) Ltd. (Reckon) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Reckon, no other representations or statements made by Reckon or its representatives, in writing or orally, shall alter this warranty. Reckon MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Reckon product fails to conform with this warranty, Reckon will replace the product to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Reckon does not authorize anyone on its behalf to make any written or oral statements which in any way alter Reckon's installation information or instructions in its product literature or on its packaging labels. Any installation of Reckon products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Reckon's products for the Buyer's intended purposes.

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