

RAPID CURE (RC) POLYACRYLATE TERRAZZO CRACK ISOLATION MEMBRANE

1. PRODUCT NAME

Rapid Cure (RC) Polyacrylate Terrazzo Crack Isolation Membrane

2. MANUFACTURER

Bonsal American
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3. PRODUCT DESCRIPTION

RC Polyacrylate Terrazzo Crack Isolation Membrane is a ready-to-use, thin, flexible, alkali-resistant membrane for embedment with RC Polyacrylate Terrazzo Primer for crack isolation..

FEATURES AND BENEFITS

- Durable and Flexible
- Bridges horizontal cracks up to 1/8"
- Lays flat and easy to embed
- Fast to install: ready to use and easy to cut with knife or scissors.

Uses

- Shopping malls and Supermarkets
- Hospitals and Health Care facilities
- Educational facilities
- Public Transportation
- Banks, Office Buildings and Hotels

4. TECHNICAL DATA

| | |
|-------------------------------------|--------------------------------|
| Color | White |
| VOC's | 0g/L |
| Construction (warp) –ASTM D3775 | 6.4/in. (25/10cm) |
| Construction (weft) – ASTM D3775 | 5/in (20/10cm) |
| Weight – ASTM D3776 | 2.7 US oz per sq. yd. (92g/m2) |
| Thickness – ASTM D1777 | 0.015" (.37mm) |
| Weave | Leno |
| Nominal Tensile (warp) - ASTM D5035 | 90 lb/in (400N/2.54cm) |
| Nominal Tensile (weft) – ASTM D5035 | 135 lb/in (600N/2.54cm) |

PACKAGING

39.4" x 328'

APPROXIMATE COVERAGE

1,073 sq. ft. per roll

SHELF LIFE

24 months when stored properly in original unopened container.

LIMITATIONS

- For interior use only
- Project Supervisor and lead mechanics must be trained and be verified, in writing, by the IMI, International Masonry Institute, for RC Polyacrylate Terrazzo installation.
- Apply when air or substrate temperature is between 45° F (7° C) and 90°F (32°C) within 24 hours of application.
- Do not install when the substrate surface tensile bond strength is <72 psi (0.5 MPa) or less than 3,500 psi compressive strength.
- Do not use where horizontal crack movement is >1/8"(3mm)
- Crack isolation is limited specifically to horizontal movement. Will not eliminate problems associated with vertical shearing, heaving or peaking movement of the substrate.

SAFETY

READ THE MATERIALS SAFETY DATA SHEET (MSDS) BEFORE USING THIS PRODUCT. MSDS Sheets are available on our website www.prospec.com or contact CHEMTREC (24 hours availability) 800-424-9300 for International inquiries +01-703527-3887, or contact Bonsal American Technical Services at 800-704-525-1621 (8:00 Am to 5:00 PM Eastern US Time).

Surface Prep:

Surface Preparation - Concrete substrates:

- Clean area and remove all unsound concrete, grease, oil, paint and any other foreign materials that will inhibit performance or bonding ability
- Substrates must be stable, solid, free of all loose particles, dust and structurally sound
- Substrate shall have the proper level and tolerance of flatness as defined by the architect. Use ProSpec Level Set products, installed per the manufacturer instructions, to bring the substrate within specified flatness. (Industry standard 1/4" (6mm) in 10' (3.5m) Allow the leveler to cure a minimum of 24 hours before installing RC Polyacrylate Terrazzo Binder.
- Existing structural concrete must be mechanically profiled by shotblasting, aggressive diamond grinding, sand blasting or scarifying to achieve an ICRI CSP 3 to CSP 5 standard.
- Treat non-moving substrate stress cracks with an approved injection system as specified by the architect. Treat moving cracks with RC Polyacrylate Terrazzo Crack Isolation Membrane as specified by the architect or owner.
- Repair deep areas, holes and non-moving cracks with ProSpec® Floor Patch Pro prior to application and allowing for a minimum of 3 hours cure.
- Install a bond breaker where vertical surfaces meet the new topping.

NOTE: It is the responsibility of the installer/applicator to ensure that test areas are performed to determine the suitability of the product for its intended use.

Refer to:

- ASTM D 4259 Abrading Concrete
- ACI 201.1R Guide for Making a Conditions Survey of Concrete in Service
- ACI 224.1R93 Causes and Repair of Cracks in Concrete Structure
- ICRI 03732 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays.
- NTMA Bulletin "Installation of Terrazzo Divider Strips"

Crack Isolation Application

- RC Polyacrylate Terrazzo Crack Isolation consists of RC Polyacrylate Terrazzo Crack Isolation membrane embedded RC Polyacrylate Terrazzo Primer
- Before using, allow containers to come to room temperature and shake well.
- Apply a full, even coat of primer using a 3/8" nap water base roller or broom leaving no bare spots. (Do not use a mop or spray gun to apply.)
- Immediately embed RC Polyacrylate Terrazzo Crack Isolation Membrane in the wet primer using the nap roller. (Do Not Use a Broom)
- After completely embedding the membrane, immediately apply a second coat of primer ensuring that the mesh is 100% covered. (Do not allow the primer to dry between casts.)
- Allow to dry to a tacky clear, transparent film, typically 2-6 hours, with no milky wet spots before installation.
- If primed floor is not covered within 24 hours, primer must be reapplied.
- Protect primed substrate from foot traffic and contamination by other trades.
- **Do not bridge off existing expansion or control joints**