

**Elastomeric Anti-Fracture Membrane
& Adhesive —Type I & Type II****PRODUCT DESCRIPTION**

CURELASTIC® 949 is a ready-mixed, organic, trowel applied anti-fracture membrane and adhesive developed to install ceramic tile and stone over a variety of substrates.

Due to its excellent flexibility, CURELASTIC 949 allows use in installations subject to vibrations and deflections up to 1/240th of the span as well as over cracks up to 1/8" (3 mm).

▶ AREAS OF USE

CURELASTIC 949 can be used for interior installations only, over properly prepared concrete, Exterior Grade Plywood (EGP) (*dry interior use only*), plastic laminate countertops, cementitious backer units, gypsum wallboard (*dry interior walls only*) and other masonry surfaces.

▶ LIMITATIONS

Do not use over cement asbestos board, glass, gypsum based underlayments, luan plywood, Masonite®, stripwood and particle board. Do not use in areas with hydrostatic pressure. Keep substrate above 40°F (4°C) for at least 7 days after application to allow for proper cure. Do not use in spas or steam rooms. Because of CURELASTIC 949's soft nature, do not install marble or terrazzo tile in areas with deflection above 1/360th of the span. Never apply the membrane over 3/32" (2.4 mm) for a single application. Do not use CURELASTIC 949 as an adhesive to install green marble.

▶ APPLICABLE STANDARDS

Conforms to the requirements of Organic Adhesives as found in ANSI A136.1, Type I and II and ANSI A108.4, Installation of Ceramic Tile with Organic Adhesives. Color — Off white.

Texture — Heavy bodied, creamy paste.

▶ PACKAGING

4 / 1 gallon (3.8 L) pails, 3.5 gallon (13.2 L) pails, 5 gallon (18.9 L) pails.

INSTALLATION**▶ SURFACE PREPARATION**

All surfaces must be structurally sound and not subject to deflection exceeding 1/240th of the span for concrete and 1/360th for plywood. Surfaces, including concrete block, should be dry, clean and free of oil, dust, grease, dirt, loose materials, curing compounds, sealers, wax, coatings, old adhesive residue and any other foreign matter. Smooth, steel troweled concrete must be roughened. Plywood substrates must be secured with screw type nails and glued where possible. A gap of 3/16" (5 mm) shall be left between sheet edges and areas where they abut walls, posts, drains, etc.

▶ APPLICATION**As An Elastomeric Anti-Fracture Membrane**

—Over cracks with movement up to 1/8" (3 mm). First stir the pail to a uniform mix. With the flat edge of the trowel, compress the CURELASTIC 949 into cracks and extend beyond both sides of the crack a minimum of the diagonal measurement of the tile to be installed or one foot, whichever is greater. If CURELASTIC 949 is to be used as the anti-fracture material for the tile, i.e., using a 3/16" x 5/32" (5 x 4 mm) V-notch trowel or a 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel, apply sufficient material to produce full ridges with no voids. Then, flatten the ridges using the flat edge of the trowel producing a continuous coating with no voids. Allow membrane to dry for 24 hours before application of tile bond coat.

Tile setting may be accomplished by using the CURELASTIC (*see As An Adhesive section*) or one of C-Cure's latex-modified dry-set mortars such as MULTICURE® 905, PRO M-FLEX STRATA® FASTSET 914-FS, QUICKCURE 908 or PERMABOND® 902 mixed with CURECRYLIC® PREMIUM 939.

As an Adhesive (meets ANSI A136.1 Type I)

—First stir the pail to a uniform mix. Using the flat edge of the appropriate trowel, spread a thin layer of the CURELASTIC 949 to key into the substrate. Then comb additional CURELASTIC 949 to achieve 100% coverage and a depth of 1/32" (.8 mm) for wall tiles and 3/32" (2.4 mm) for floor tiles. Set tiles into the CURELASTIC 949 before it skins over, approximately 20 minutes depending on ambient conditions.

NOTE: When using as an adhesive for marble, set several pieces and allow to dry for 16 hours to test for staining. Allow tiles to set until firm 24 to 48 hours in most cases before grouting. For vitreous tiles, 72 hours may be necessary.

Construction, Expansion, Isolation and

Control Joints—Do not bridge these joints or any crack over 1/8" (3 mm). Carry through tile installation. Follow procedures EJ 171 in the TCA Handbook and ANSI A108.5.

▶ CLEANING

Fresh adhesive can be removed from tile surfaces with a damp sponge. Tools may be cleaned in warm soapy water. Dry adhesive may be removed by scraping or with lacquer thinner.

GUARANTEE

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CureLastic® 949

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CURELASTIC 949 TECHNICAL DATA

TEST	TYPICAL VALUES
A. Open Time @ 70°F (21°C)	45 Minutes
B. Adjustability @ 70°F (21°C)	45 Minutes
C. Initial Set @ 70°F (21°C)	1 hour
D. Final Set @ 70°F (21°C)	24 Hours
E. Bond Strength ASTM D3931	>140 psi (10 kg/cm ²)
F. Shear Strength ANSI A136.1 Dry Water Immersion	>140 psi (10 kg/cm ²) >80 psi (6 kg/cm ²)
G. Freezeable	Freeze-thaw stable (3 cycles)
H. Safety—CAUTION: Avoid inhalation of vapors, use in well ventilated areas. Avoid contact with eyes, flush with water and call physician immediately. For skin contact, wash with warm soapy water. If material is swallowed, call physician immediately.	
KEEP OUT OF REACH OF CHILDREN.	
I. Shelf Life—One year if kept dry in unopened containers.	

COVERAGE

PRODUCT	SQUARE FEET (M ²) PER GALLON (3.8 L)	
	3/16" x 5/32" (5 x 4 mm) V-Notch Trowel	1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch Trowel
CURELASTIC® 949	45 - 60 (4.1 - 5.5)	35 - 50 (3.2 - 4.6)

Members of National Tile Contractors Association,
Materials & Methods Standards Association, Ceramic Tile Distributors Association.

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