

# CUSTOM® 9240 WATERPROOFING AND ANTI-FRACTURE MEMBRANE

- Waterproofing membrane rated for extra heavy-duty service
- Anti-fracture protection of up to 1/8" (3 mm)
- Listed with IAPMO for use as a shower pan liner

PRICE



## PRODUCT DESCRIPTION

Custom® 9240 is a thin, load-bearing membrane designed for waterproofing tile and stone installations. A liquid applied polymer forms a flexible, seamless waterproofing membrane that bonds to a wide variety of substrates. The addition of a reinforcing fabric allows for extra heavy-duty service installations. Anti-fracture protection of up to 1/8" (3 mm) over shrinkage and other non-structural cracks. Meets ANSI A118.10 for waterproofing membranes and ANSI A118.12 for crack isolation membranes. Meets Uniform Plumbing Code Specifications for use as a shower pan liner. Listed with IAPMO R & T File #4244 UPC®.

## AREAS OF USE

- Concrete
- Backerboards such as WonderBoard® and EasyBoard®
- Ceramic tile, cement terrazzo
- Exterior grade plywood (dry areas)
- Exterior decks
- Resilient flooring
- Cement plaster
- Gypsum drywall
- High pressure laminate

## LIMITATIONS

- Do not apply to surfaces that may go below 40° F (4° C) during the first 72 hours after application, over wet surfaces or surfaces subject to hydrostatic pressure.

- Do not use to bridge or cover over existing expansion, control, construction, cold or saw-cut joints.
- Not for use as an adhesive.
- Not for controlling vertical movement cracks.
- Not for use as a wear surface.
- Membrane must be covered with tile.

## SURFACE PREPARATION

Must be in accordance with the proper ANSI specifications, depending on the method chosen. All exterior and wet areas are to have proper sloping to drains. All surfaces must be structurally sound, clean, dry and free from contaminants that would prevent a good bond. Newly prepared concrete must be cured 28 days, finished with a steel trowel and have a fine broom finish. Existing surfaces should be scarified, level and all defects repaired. Existing ceramic/stone tile resilient flooring or laminates must be skim coated with a 1/8" (3 mm) application of Skim Coat and Patch, SpeedFinish™, LevelLite® or LevelQuik® Self-Leveling Underlayments.

### Main Application (2-Part System for Heavy-Duty and Commercial Applications) Pre-treat Cracks:

Apply a liberal coat of liquid, approximately 8" (20 cm) wide over crack or joint. Embed 6" (15 cm) wide reinforcing fabric into first coat of liquid. Apply second liberal coat of liquid to seal fabric.

### Pre-treat Coves and Corners:

Apply a liberal coat of liquid. Fold 6" (15 cm) wide fabric in half and embed it into the liquid, flashing fabric 3" (7.5 cm) up walls. Apply a second liberal coat of liquid to seal fabric. Wet coat thickness should be 20 - 30 mils thick. Do not install over structural cracks, cracks with vertical movement or cracks with >1/8" (3 mm) horizontal movement.



**Pre-treat Penetrations:**

Pack any gaps around pipes, lights or other penetrations with a compressible backer rod and suitable waterproof sealant. Apply a liberal coat of liquid around penetration opening. Embed pieces of 6" (15 cm) wide fabric into liquid. Cover with a second layer of liquid. After curing, seal flashing with a waterproof sealant.

**Expansion Joints:**

Cracks in excess of 1/8" (3 mm) should be treated as expansion joints. Carry these types of joints through any subsequent finishing material. Clean the joint and install open or closed cell backer rod to the proper depth as outlined in EJ 171 in the Tile Council Handbook. Next, compress a sealant as specified by the architect into the joint, coating the sides and leaving it flush with the surface. After the sealant is dry, place bond breaker tape over joint. Apply a minimum 3/64" (1.2 mm) of liquid over the joint and substrate. Install the tile work onto the membrane but do not bridge the joint. After the tile work is set properly, fill the joint with any specified color sealant, following the architect's and manufacturer's instructions.

**Pre-treat Drains:**

Drains should have a clamping ring with open weep holes for thin-set application. Cut a square of reinforcing fabric approximately 38" x 38" (96 x 96 cm). In the center of the fabric cut a hole that matches the diameter of the drain throat. Apply a liberal coat of liquid to the bottom flange. Drain should be fully supported without movement and even with plane of substrate. Center the circular cutout over the drain throat and embed the fabric into the liquid making sure it does not obstruct the drainage hole. Then apply an additional coat of liquid. Wet coat thickness should be 20 – 30 mils thick. After curing, apply a waterproof sealant bead where the fabric cutout meets the drain throat. Clamp upper flange onto membrane and tighten. Caulk with a silicone caulk around flange where membrane and upper flange make contact. A toilet flange can be handled in much the same manner.

**APPLICATION**

Allow any pre-treated areas to dry to the touch. Apply a liberal coat (20 – 30 mils thick) of liquid with brush or roller over substrate including pre-treated areas. Lay reinforcing fabric into wet liquid and smooth out any wrinkles. Press fabric with brush or roller until liquid bleeds through to surface. Lap seams approximately 2" (5 cm). Flash membrane up over pre-treated coves and corners so areas will have two layers of fabric. Apply another liberal coat of liquid over fabric to saturate it. Let top coat dry to the touch, approximately

1 – 3 hours. Make another liberal application (20 – 30 mils thick) of liquid over entire surface to seal membrane. When last coat has dried to the touch, inspect final surface for pinholes, voids, thin spots or other defects and use additional liquid to seal defects. Reinforcing fabric and third coat of liquid can be omitted over interior, vertical cement backerboard or drywall surfaces, however, pre-treatment is still required.

**Single-Part General Waterproofing Application (Acceptable for Residential and Light Commercial Building Applications):**

For above instructions, reinforcing fabric and third coat of liquid can be omitted, however, pre-treatment is still required.

**Interior CBU and Gypsum Wallboard:**

Custom 9240 reinforcing fabric and the third coat of liquid may be omitted from main applications over interior walls and other vertical surfaces made with cementitious backer units (CBU) or gypsum wallboard. However coves, corners, seams and board joints must be pre-treated as described above.

**TILE INSTALLATION**

Install tile or stone with a Custom® polymer-modified mortar meeting ANSI A118.4 or A118.11 standards. A water test can be conducted 72 hours after application if required.

**DRYING TIME**

The product is dry when it turns a solid, dark orange, normally 1-1/2 to 2 hours. Depending on ambient conditions, drying time can take up to 12 hours.

**COVERAGE**

Approximately 300 sq. ft. (27.8 M<sup>2</sup>) per kit.

**CLEAN-UP**

Clean tools and hands with water before material dries. Clean all spray equipment immediately after use.

**STORAGE**

Keep from freezing.

**SAFETY**

Wear rubber gloves and eye protection. Avoid eye contact. If eye contact occurs, flush with water for 15 minutes and call a physician. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

DO NOT TAKE INTERNALLY.

## ORDERING INFORMATION

ITEM CODE	SIZE
C9240K	Kit consists of: 6 gallon (22.7 L) pail of Part 1 Liquid Part 2 Fabric Carton containing: 1 – 6" x 75' (15 cm x 22.85 M) roll of fabric 1 – 36" x 100' (91.5 cm x 30.5 M) roll of fabric
C9240L	6 gallon (22.7 L) pail
C9240F	1 – 6" x 75' (15 cm x 22.85 M) roll of fabric 1 – 36" x 100' (91.5 cm x 30.5 M) roll of fabric

## TECHNICAL DATA

<b>CUSTOM® 9240 KIT WATERPROOFING AND ANTI-FRACTURE MEMBRANE</b>	
Pot Life	Indefinite
Initial Set, ASTM C191 @ 70° F (21° C)	1-1/2 – 2 hours
Drying Time Before Floor Covering Installation	1-1/2 – 2 hours or up to 12 hours
ANSI 118.10 sect. #	
Fungus and Micro-Organism Resistance (4.2)	No growth
Seam Strength (4.2)	97 lbs./inch width (6.8 kg/2.5 cm)
Breaking Strength (4.3)	2550 psi (179.3 kg/cm <sup>2</sup> )
Dimensional Stability (4.4)	No change
Waterproofness (4.5)	Passes
Shear Strength	305 lb/sq. In (21.4 kg/cm <sup>2</sup> )
% Elongation ASTM D-638	78%
Robinson Floor Test ASTM C627	14 cycles Extra heavy rating
IAPMO/Uniform Plumbing Code	Approved
Hydrostatic Pressure & Alkali Resistance	Passes
Waterproofness	Passes
FHAA 4900-1-615-5 Sections C & D	Compliant

## LIMITED WARRANTY

Custom Building Products ("Custom") warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom's sole liability under this warranty shall be limited to the replacement of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom's printed instructions. Custom makes no other warranties either express or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.



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