



# A Waterproofing Membrane for Under Tile in Showers

## DESCRIPTION AND USE:

Multicoat's GREEN BARRIER is a ready-to-use liquid applied, elastomeric waterproofing membrane for use under tile in showers. It creates a seamless "rubber like" membrane. Ideal for wood, and masonry surfaces such as cement backer board and concrete.

## ADVANTAGES:

- Ready-to-Use
- Water Clean Up
- Flexible
- Easy Spread
- Quick Drying

**ANSI  
A118.10**



## BASIC USE:

GREEN BARRIER is designed for waterproofing under tile in showers for both residential and commercial use.

## PACKAGING:

GREEN BARRIER is packaged in 1-Gallon cans and 5-Gallon Pails.

## COVERAGE:

35 SF/Gallon applied at a coverage of 60 mil wet.

## SUITABLE SURFACES:

Concrete, cement backer board, tile board, exterior plywood & OSB for interior applications, mortar beds, existing tile, cement based plaster, most masonry substrates.

## SURFACE PREPARTION:

Substrate must be structurally sound, free from grease, oil, paint, dirt, dust, sealers. Laitance, curing compounds, and any other foreign material which may prevent proper bonding. When applying to cementitious surface, that surface must be fully cured. Concrete slabs and mortar beds should have a coarse finish to assist in bonding. When applying Lightweight Cement the substrate must have a minimum of 2,000 psi compressive strength. Must be dry and properly cured. If cracks are present, fill with quick setting, non-shrinking mortar prior to application of GREEN BARRIER. For applications over concrete that is less than 28 days old, the use of Multicoat's Vapor Shield is recommend to speed the curing and installation process and to help reduce negative side pressure.

## MIXING:

Hand stir GREEN BARRIER until a uniform green color is present.

## APPLICATION:

While wet, GREEN BARRIER is a light green color. Once applied the dark green color will be your indicator that the material has dried and is ready for the next phase. The color change may take 1 to 2 hours to occur. Application is achieved by using a 3/4" nap roller. In all corners, apply a generous amount of GREEN BARRIER a minimum of 8" in both directions and immediately embed and smooth out Multicoat's stich bond polyester fabric mesh to create a flashing detail. Let this dry for several minutes then apply another saturating coat over top to completely cove the fabric and allow to dry to a dark green color. The gap in the corners should not be greater than 1/16". If greater than 1/16", pre fill with a non shrinking fast setting mortar. Drains should have the clamp ring with open weep holes for thin set applications. Apply GREEN BARRIER to the bottom of the flange, and the flange should be fully supported with no movement and should be level with the plane of the floor.

# GREEN BARRIER



## **(Continued) APPLICATION / PLACEMENT:**

Apply GREEN BARRIER around the drain and immediately embed a piece of 12" x 12" stitch bond polyester fabric into the wet material and insure it does not cover the weep holes. Allow to dry a few minutes and apply another coat over the mesh area. The use of a silicone caulk around the flange where it makes contact with the membrane is recommended. After the corners and drain detail are dry, apply a full coverage coat over the entire area, achieving a mil coverage of at least 45 mils. Once fully dry (dark green color is your indicator) inspect for pin holes or thin areas and apply a second coat at a right angle to the first coat. When small gaps are present, such as the gap between cement board, use the same polyester fabric to span this joint. Always follow all local building codes when applying this product.

## **CURING:**

Typically GREEN BARRIER will be dry in 12 to 24 hours and ready for tile placement. Insure a uniform dark green color before application of thin sets. Must be completely cured before application of any type of cementitious materials on top of GREEN BARRIER.

## **LIMITATIONS:**

Do not allow to get wet prior to thin set application. Do not apply if ambient air temperature is 40° F and falling or above 100° F and rising. Do not add other materials to the mixture of the product. Do not bridge joints designed to experience movement and carry these joints through the tile application. Do not apply any type of solvent material over GREEN BARRIER.

## **STORAGE:**

Store at 40° to 90° F. Shelf life approximately 18 months. Protect from freezing

## **CLEANING:**

Clean with warm soapy water immediately after use. Once dried, material will require mechanical means for removal.

## **TEST RESULTS**

Shear Strength to Ceramic Tile and Cement Mortars  
ANSI A118.10

<b>TEST</b>	<b>DESCRIPTION</b>	<b>EVALUATION</b>	<b>ANSI Specification</b>
4.1	Mold Growth	Does not support	Shall not Support
4.3	Breaking Strength	525 PSI	170 PSI
4.4	Dimensional Stability (158°F) (-15°F)	-.19% .35%	.7% Max Change .7% Max Change
5.3	7 Day Shear Strength	241 PSI	>50 PSI
5.4	7 Day Water Immersion	179 PSI	>50 PSI
5.5	4 Week Shear Strength	229 PSI	>50 PSI
5.6	12 Week Shear Strength	134 PSI	>50 PSI
5.7	100 Day Water Immersion	140 PSI	>50 PSI
5.1.6	Accelerated Aging Shear Strength	372 PSI	>50 PSI
5.2	Point Load Test	1811 lbf (Average)	>1,000 lbf

## **WARRANTY:**

**WARRANTY:** Materials are guaranteed with respect to uniformity and quality within manufacturer's specifications.

**WARRANTY DISCLAIMER:** There are no warranties which extend beyond the description of the fact hereof. Seller expressly disclaims all other warranties regarding the use of its products, whether expressed or implied, including the implied warranties of merchantability and for fitness of a particular purpose. Since use of the product is beyond the Seller's control, the Buyer assumes all risk of use.

**EXCLUSIVE REMEDY:** Seller's sole obligation, and buyer's exclusive remedy shall be to replace material if found to be defective.

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