RedGard® Fabric Membrane



1. **Product Name**
   RedGard® Fabric Membrane

2. **Manufacturer**
   Custom Building Products
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3. **Product Description**
   RedGard® Fabric Membrane is a waterproof fabric sheet and vapor-retarder designed for use in both horizontal and vertical tiling applications such as showers, commercial and residential steam showers, and other high demand wet environments. Meets ANSI A118.10 and ANSI A118.12.

Key Features

- Easy to cut, hang, and adjust
- No waiting to cure before tile is installed
- Can be installed over cement backerboard, lightweight tile wallboard, and gypsum wallboard
- Low perm rated per ASTM E96 Method E

Suitable Substrates

- Concrete
- Cement mortar and screed
- Cement Masonry Units
- Cement Backerboard
- Gypsum Wallboard
- Lightweight Tile Backer board
- Suitable Prefabricated showers pans and Accessories
- Approved engineered cement-based patching compounds
- Exterior Plywood and OSB (interior, dry areas only)
- Post Tension Concrete
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring

Benefits of Product in the Installation

Waterproof and easy to cut, hang and adjust. No waiting to cure before tile is installed. Installs over cement backerboard, lightweight tile wallboard, and gypsum wallboard.

Limitations to the Product

- RedGard Fabric Membrane will not accommodate deflection greater than specified in TCNA guidelines and should not be used as a wear surface or left otherwise exposed to construction traffic.
- Some glass tiles and dimensionally weak and absorptive tiles or natural stone, may not be suitable for installation over a sheet membrane. Contact Technical Services for additional information.

4. Technical Data

Applicable Standards

RedGard Fabric Membrane meets the American National Standard for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations (ANSI A118.10 and ANSI A118.12) and evaluated by ICC-ES (Report No. PMG-1656) and ASTM E96 Method E as a low perm vapor retarder/waterproofing membrane (<0.5 perms)

Application of Product

All surfaces must be clean, smooth, and capable of supporting the finished tile installation. The adhesive mortar (thinset) used for installing RedGard Fabric Membrane must be appropriate for the substrate and should thoroughly embed in the RedGard Fabric Membrane. To minimize installation duration, precut RedGard Fabric Membrane to size ahead of mixing adhesive mortar (thinset) for installation. Apply thin-set to the intended surface using a minimum 1/4" x 3/16" (6 mm x 5 mm) V- notched trowel. Rougher surfaces may require a larger notched trowel. Be sure to not allow mortar to skin over. Gypsum wall board should be wiped down with damp sponge prior to thin set being applied. Only spread out as much as can be covered in about 5 minutes. Using the flat side of a trowel or a taping knife, embed the RedGard Fabric Membrane into the wet mortar. Work the trowel or taping knife at angles out and away from the center taking care to work out any air that may have been trapped when the sheet was placed.

Seams: Waterproof seams may be installed by overlapping edges of RedGard Seam Tape by at least 2" or by butting the joints and utilizing RedGard Seam Tape over the top of the joint.

Corners: For inside and outside corners, used pre-formed RedGard Fabric Membrane corners. Connect these corners at change of plane with the RedGard Fabric Seam Tape, overlap and use mortar.

Pipe and Valve Flashing: RedGard Fabric Mixing and Pipe Seal can be used to flash around any wall protrusions. The pre-cut hole is ½" diameter but can be enlarged with scissors or a utility knife. Hole in mixer and pipe seal should be tight around any protrusions. Fill any gaps or openings with CUSTOM® Commercial 100% Silicone Sealant for a watertight seal. Overlap and use mortar to join the fabrics

Circular Drain Treatment: Substrate is to be pre-sloped flush to the top of the drain flange prior to installing fabric. Lay fabric over the flange and cut drain opening and bolt hole openings. Remove fabric and apply adhesive mortar on the substrate up to drain flange edge. Apply a continuous bead of CUSTOM® Commercial 100%Silicone Sealant on top of the flange outside of the bolt hole diameter under where the clamping ring will seat.

Embed fabric into the mortar and sealant before the products set. Tighten clamping ring immediately and flatten fabric, mortar and sealant. Ensure that fabric follows the slope of the substrate without obstructing the flow of water to the drain.

Linear Drain Treatment:

Substrate is to be pre-sloped flush to the top of the drain flange prior to installing fabric. Lay fabric over the flange and cut drain opening.

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RedGard® Fabric Membrane

Remove fabric and apply adhesive mortar on the substrate up to drain flange edge. Apply a continuous bead of CUSTOM® Commercial 100% Silicone Sealant on top of the flange.

Embed fabric into the mortar and sealant before the products set. Flatten fabric over the mortar and sealant, ensuring that fabric follows the slope of the substrate without obstructing the flow of water to the drain.

Curing of Product

RedGard Fabric Membrane may be tiled as soon as it is installed. Flood testing should not occur sooner than 24 hours in moderate temperatures after installation of membrane to allow mortar to dry.

Cleaning of Equipment

RedGard Fabric Membrane installation requires the use of dry-set adhesive mortar. Make sure to clean tools and hands with water before the material dries. Clean all spray equipment immediately after use.

Health Precautions

RedGard Fabric Membrane installation requires the use of dry-set adhesive mortar. When using mortar, wear rubber gloves and eye protection. Avoid eye contact or prolonged contact with skin and wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Wash thoroughly after handling. Do not take internally. Keep out of the reach of children.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

5. Size & Availability

Location	Item Code	Size	Package
USA	RFM323	1m x 30m	1 roll per case
USA	RFM108	1m x 10m	1 roll per case
Canada	CRFM323	1m x 30m	1 roll per case

6. Product Warranty

Custom® Building Products 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, countries or territories 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 expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another. Click on link for details and complete warranty information.

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