

USG DUROCK™ BRAND WATERPROOFING MEMBRANE AND BAND

A pliable sheet-applied waterproof membrane and vapor retarder for use with USG Durock® Brand Shower System

- Thin (12 mil) pliable membrane with minimal buildup at seams
- Extremely durable, yet easy to handle and install
- Low Perm Rating (<0.075) per ASTM E96 Procedure E
- Suitable for waterproofing floors, walls, countertops and steam showers/rooms

DESCRIPTION

The USG Durock™ Brand Waterproofing Membrane is an innovative membrane that features an oriented HDPE, cross-laminated core that provides strength and tear resistance at much thinner mil thicknesses (12 mil), making it the most pliable, user-friendly membrane in the industry, with the least amount of buildup at seams.

The USG Durock™ Waterproofing Membrane is one of the strongest, most tear-resistant membranes on the market. And since it has the lowest perm rating of any load-bearing, bonded waterproofing membrane when tested to ASTM E96 Procedure E (<0.075 perms), it is ideal not only for showers and other wet areas, but also for continuous-use residential and commercial steam showers.

The USG Durock™ Waterproofing Membrane meets the permeability rating requirement of 0.5 perms or less and can be used in steam showers/rooms in accordance with Tile Council of North America (TCNA) *2013 Handbook for Ceramic, Glass, and Stone Tile Installation* (SR613-13 and SR614-13).

PRODUCT DATA

Sizes and Packaging

- 36 in. x 100 ft. (0.9 m x 30.5 m) roll
- 36 in. x 50 ft. (0.9 m x 15 m) roll
- 36 in. x 25 ft. (0.9 m x 7.5 m) roll
- 5 in. x 50 ft. (13 cm x 15 m) band

Product conforms to ANSI A118.10 American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation.

COMPOSITION AND MATERIALS

USG Durock™ Waterproofing Membrane is an oriented, cross-laminated high density polyethylene film with polypropylene nonwoven fabric laminated on both sides.

WARRANTY AND MATERIALS

Products and systems provided by United States Gypsum Company are warranted to be free from defects in material and workmanship. Contact a USG sales office for complete warranty details.

INSTALLATION

Walls (including steam shower walls):

- Select code-approved wall substrate suitable for wet areas.
- Apply tile-setting mortar (as specified in ANSI A118.1, A118.4, A118.11 or A118.15) to wall substrate using 3/16 in. x 3/16 in. (5 mm x 5 mm) V-notched trowel or 1/8 in. x 1/8 in. (3 mm x 3 mm) square or U-notched trowel.
- Embed USG Durock™ Waterproofing Membrane into the mortar using a finishing trowel or drywall taping knife to remove air pockets and to ensure proper installation.



INSTALLATION CONT.

- D. Overlap all adjoining sections of the membrane by a minimum of 2 in. (51 mm) using tile-setting mortar. Alternatively, adjoining sections of USG Durock™ Waterproofing Membrane can be abutted and then seamed with 5 in. (13 cm) wide USG Durock™ Waterproofing Band.

Floors:

- A. Apply tile-setting mortar (as specified in ANSI A118.1, A118.4, A118.11 or A118.15) to shower floor using 3/16 in. x 3/16 in. (5 mm x 5 mm) V-notched trowel or 1/8 in. x 1/8 in. (3 mm x 3 mm) square or U-notched trowel.
- B. Embed USG Durock™ Waterproofing Membrane into the mortar using a finishing trowel or drywall taping knife to remove air pockets and to ensure proper installation.
- C. Overlap all adjoining sections of the membrane by a minimum of 2 in. (51 mm) using tile-setting mortar. Alternatively, adjoining sections of USG Durock™ Waterproofing Membrane can be abutted and then seamed with 5 in. (13 cm) wide USG Durock™ Waterproofing Band.

See *USG Durock™ Brand Shower System Installation Guide (CB598)* for complete installation details.

LIMITATIONS

1. May not be compatible with certain glass tiles and/or may require special setting materials.
2. Do not install with Type 1 organic adhesive.
3. Prior to setting tile, wait 24 hours minimum before water testing to allow for final set of thin-set mortar and ensure waterproof performance at seams and connections.

TECHNICAL DATA TABLE

Property	ANSI/ASTM Test	USG Durock™ Brand Waterproofing Membrane and Band
System performance	ANSI A118.10	Pass
Thickness	N/A	12 mil (0.3 mm)
Weight (lb/msf)	N/A	34
Fungus and microorganism resistance	ANSI A 118.10	no mold growth
Seam strength	ANSI A118.10/ASTM D751	>8 lb/in
Breaking strength	ANSI A118.10/ASTM D751	>170 psi
Dimensional stability	ANSI A118.10/ASTM D1204	<0.7%
Waterproofness	ANSI A118.10/ASTM D4068	Pass
Shear strength to ceramic tile and cement mortar	ANSI A118.10/ASTM C482	>50 psi
Water vapor permeance	ASTM E96 (Procedure E)	<0.075

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.
Product safety information: 800 507-8899 or usg.com.
Customer Service: 800 USG.4YOU (874-4968).
KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTE

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NOTICE

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SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

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