



HYDRO BARRIER MEMBRANE – R2

Product Information

Category: Surface Prep

1 gal container

Series 7072

Description and Use:

Hydro Barrier Membrane - R2 is an elastomeric membrane that is used as a water proofers and crack suppressor for many applications. A ready to use elastomeric waterproofing membrane and anti-fracture membrane for use over interior and exterior surfaces including wood, concrete, metal, PVC, and stainless steel. Reduces crack transmission when properly used with Granicrete Flooring, Wall, and 3-D products. Also used within the Granicrete countertop system to waterproof the substrate around the sink cutout and seams. For application techniques see Granicrete Instruction Manuals.

It is also designed to waterproof surfaces which will have tile, brick, slate, pavers or other similar finished surfaces installed directly over the membrane. It's ideally suited to waterproof shower pans, bathrooms, kitchens, ponds and other areas in continuously wet environments.

It may also be used to waterproof out-door applications such as balconies, roof decks, etc.

Hydro Barrier Membrane – R2 is a red gel that dries red and does so in as little as 2 hours pending thickness and ambient temperature.

Hydro Barrier Membrane – R2 is not designed for topical exposure but engineered to used as a membrane coating to be covered by the materials and systems as noted.

This engineered product used in the following Granicrete Systems:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Floor Overlays / Micro-Toppings | <input checked="" type="checkbox"/> 3D |
| <input checked="" type="checkbox"/> Interior | <input checked="" type="checkbox"/> Other |
| <input checked="" type="checkbox"/> Exterior | <input checked="" type="checkbox"/> Shower FX |
| <input checked="" type="checkbox"/> Countertop | <input checked="" type="checkbox"/> Outdoor Islands |

Its significant characteristics include:

- ✓ Waterproof a wood floor substrate before applying mesh and metal lathe for Granicrete's interior overlay and micro-topping systems. (*Consult with Granicrete's Tech Team for waterproofing considerations, risks, and costs for exterior wood decking before attempting.*)
- ✓ Brush over hair line cracks in a concrete slab suppress the crack and help eliminate crack shadowing.
- ✓ Brush the top, inside edge, and underside sink cutout for added protection from a water leak.
- ✓ Brush any seams or cracks to prevent cracking or shadowing in the final texture coat.

Coverage:

35 – 100 sq. ft. per gallon depending on application thickness.

Anti-fracture membrane should be minimum 30 mils thickness.

Waterproof membrane embed between seems and embed into mesh with trowel. Apply 2nd once pink has turn red (1.5-2 hours) and apply second coat and be sure any pinhole or voids are filled while doing this coat. Desired mil thickness of 50-95 mils but not greater than 120 mils.

Packaging

1-gallon pail

Color

Wet: Pink-Red liquid gel

Dry: Red

Surface Preparation

Surface must be clean and dry and free of contaminants (i.e.; oil, grease, dirt)

Mixing

Do not dilute this product. If the product has settled it is recommended to mix with a paint stick. The product consistency should be a thin gel. No water should be resting on the surface.

Application

Material may be rolled, brushed, or troweled, or notched troweled. A second coat can be applied if needed once the first coat is completely dry but may wish to wait 24-hours before doing so.

Thickness is best achieved in multiple coats.

Examine for bubbles, this spots, and consistent coating before applying subsequent coating.

Do not allow to sit in direct sunlight or heat for lengthy periods. It is best to continue with subsequent coatings shortly after membrane has cured.

Do not use to fill concrete expansion joints.

Limitations

- Protect from rain and direct sunlight for 72 hours after application. If delays for coating over Hydro Barrier Membrane – R2 is longer, cover to protect from soiling and puncturing.
- Do not apply in temperatures below 50°F or above 90°F.

- Do not apply on damp or moist surface as it will whiten or may cause delamination.
- Please read SDS sheet before use (available online in the U).

Clean Up

Equipment can be cleaned with environmentally safe solvent immediately after use.
Once the product dries it can be pulled off most metal tools.

Storage: Up to 1 year when stored between 40-90°F

TEST

Pot Life @ 70°F (21°C)
Initial Set, ASTM C191 @ 70°F (21°C)
Drying Time Before Tile Installation
Elongation ASTM D-638 21-Day dry cure
7-Day dry cure/21-Day wet cure
Waterproofness ANSI A118.10 Sect # 4.5
Shear Strength 12-Day dry cure
ANSI A118.10 Sect # 5.6
100-Day water immersion ANSI A118.10
Sect # 5.7
Seam Strength width ANSI A118.10
Sect # 4.2
Breaking Strength ANSI A118.10
Sect # 4.3
Dimensional Stability ANSI AA118.10
Sect # 4.4
Fungus and Micro-Organism Resistance
ANSI A118.10 Sect # 4.2
Hydrostatic pressure & alkali resistance
IAPMO/Uniform Plumbing Code 4244
Waterproofness IAPMO/Uniform
Plumbing Code 4244
FHA 4900-1-615-5, Sections C & D
N. Permeance Rating
Water Vapor Transmission

PROPERTY VALUE

Indefinite
1 - 1 1/2 Hours
1 - 1 1/2 Hours or up to 12 Hours
560%
650%
Passes
265 psi (18.8 kg/cm²)
85 psi (6.3 kg/cm²)
16 lbs./2-inch width (7.3 kg/5 cm)
480 psi (34.0 kg/cm²)
+/- 0.05%
Passes
Passes
Passes
Compliant
+/- 0.06
+/- 0.02 (grains/hour per sq. ft.)

Wear Personal Protective Equipment
Read SDS before using this product

DOT/Flash Point – Non-flammable Liquid Classification not regulated

Manufacturer/Distributor Warranty: As neither the manufacturer nor the distributor has control over the actual installation of this product, the manufacturer and distributor disclaim any and all warranties expressed or implied regarding color shade, appearance, and product performance at and after opening product containers. Manufacturer and distributor recommendations and suggestions are made without guarantee. Conditions of installer's and consumer's use of this product are beyond the control of manufacturer and distributor. Manufacturer and distributor disclaim any liability incurred in connection with the use of this product or information contained herein.