

# Pro MBR™

## Ready-to-Use Waterproofing and Crack Isolation Membrane

Pro MBR is a waterproofing membrane system, acrylic-based, used underneath tile or stone installations in showers, tub surrounds, pools, fountains and Jacuzzis. Pro MBR is ready to use and easily applied, with a trowel, paint brush or a short-nap roller. Pro MBR can also be used as a crack isolation membrane, when used with Proma fiber mesh.

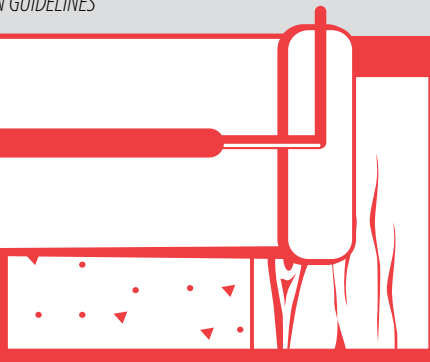
### Features

- ◆ **Waterproofing membrane used underneath tile or stone installations; suitable in showers, tub surrounds, pools, fountains and Jacuzzis**
- ◆ **Isolates shrinkage cracks, in plane, up to 3 mm (1/8") wide, when used in combination with a fiber mesh**
- ◆ **Premixed, ready to use**
- ◆ **Compatible with all polymer-modified, thin-set setting materials**
- ◆ **Suitable for pools, fountains, showers and tub surrounds**
- ◆ **For floor, wall and ceiling applications**
- ◆ **For interior commercial and residential applications**
- ◆ **Meets or exceeds ANSI A118.10 requirements for thin-load bearing waterproofing**
- ◆ **PRO MBR, when used with PROMA fiber mesh, exceeds ANSI A118.12 high-performance standards for crack isolation**
- ◆ **Contributes to LEED® objectives and requirements**

### Suitable Substrates

- ◆ **Dry, completely cured concrete (at least 28 days old)**
- ◆ **Concrete and masonry blocks**
- ◆ **Cement backer units (CBU)**
- ◆ **Cementitious screeds, rendering, leveling coats and mortar beds**
- ◆ **Gypsum wallboard (INTERIOR dry areas only)**
- ◆ **Double layered EXTERIOR Grade Douglas Fir Plywood, certified CANPLY (SELECT) or (SEL-TF) CSA 121, minimum 32 mm (1 1/4") total thickness, for INTERIOR Residential Light -duty Floors in dry areas only.**
- ◆ **Cementitious Terrazzo floors \***

*\*With adequate prior preparation as indicated in PROMA'S "SURFACE PREPARATION GUIDELINES"*



CONCRETE

EXTERIOR-GRADE PLYWOOD



### Packaging

4 L (1.05 U.S. gal) pail; 20 L (5.3 U.S. gal) pail; 200 L (53 U.S. gal) drum

### Limitations

- ◆ Do not use for roofing.
- ◆ Do not use as an adhesive.
- ◆ Do not use mastics (Pro Mastic 2000 or Pro Mastic Contract) to set tiles over the PRO MBR.
- ◆ Should not be left exposed as a resurfacing material.
- ◆ Not for applications exceeding 6 mm (1/4") in thickness.
- ◆ Do not apply over presswood, particle board, masonite or similar unstable substrates (e.g. asbestos board and steel).
- ◆ Do not apply directly over asphalt cutback adhesive, carpet adhesive residue or directly over an existing ceramic tile surface (in these cases, apply the PRO PRIMER kit as a primer (see technical data sheet for details).
- ◆ Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.
- ◆ Do not use under VAT, VCT and non-cushioned vinyl sheet goods installations.

### Surface Preparation *(Refer to Proma Surface Preparation Guidelines for complete details)*

- ◆ All supporting surfaces must be structurally sound, solid, stable, level, plumb, level and true to a tolerance in plane of 1/4" in 10'-0" (6 mm in 3 m) in accordance with ANSI A108 Specifications requirements.
- ◆ Surfaces must be clean and free of dust, oil, grease, paint, tar, wax, curing agent, primer, sealer, form release agent or any deleterious substance and debris which may prevent or reduce adhesion.
- ◆ Acids, concentrated alkaline conditions and cleaning chemical residues must be neutralized or removed.
- ◆ All concrete substrates must be completely cured (at least 28 days old), solid, sound, slightly textured and have a direct tensile cohesive strength greater than 1.2 MPa (175 psi) when tested in accordance with ACI 503 R – (Appendix A) procedure.
- ◆ On grade or below grade concrete slabs must be installed over an effective vapor barrier.
- ◆ All concrete substrates must be dry and free of hydrostatic conditions and/or extreme moisture problems. Perform a calcium chloride moisture emission test (ASTM F-1869) on the concrete substrate before proceeding with the installation of the floor.
- ◆ Smooth concrete substrate surfaces must be mechanically roughened in accordance with an engineer-approved procedure (Shot-blasting, scarification, grinding, sand or water-blasting, etc) to completely remove all paint, loosely bonded toppings, loose particles and contaminants and to provide sufficient surface texture and profile for the adequate bonding of the subsequent leveling and/or tile setting mortar products.

### Mixing

The membrane is ready for use as-is. No mixing is required.



## Pro MBR™ (continued)

### Application

1. Apply a continuous coat of at least 0.76 mm (1/32") in thickness.
2. In order to better control the thickness, first comb the PRO MBR with the notched side of a 4 mm (5/32") "V" trowel and then smooth over uniformly with the flat edge of the same trowel.
3. Allow the membrane to fully cure (24 hours). Inspect thereafter for any voids or air bubbles. A continuous 0.76 mm (1/32") membrane is needed to ensure integral waterproofing. Fill any voids, pinholes or air bubbles with a second coat of PRO MBR if necessary.
4. Avoid any water contact while drying. Should this occur, apply a second coat to the affected area after 24 hours.
5. For crack isolation: apply a 1st coat; embed fiber mesh into the wet material and apply 2nd coat on top right away.

### Note:

- ◆ PRO MBR can also be applied with a roller or paint brush. In these cases, at least 2 coats should be applied to ensure integral waterproofing.
- ◆ Use fiber mesh with PRO MBR when applying around the corners, the drain, along seams and for perimeter wall transitions to guarantee 100% waterproofing results.

### Expansion and Control Joints

- ◆ Install control joints where tiles abut restraining surfaces, around the perimeter of the work and at the base of columns and curbs.
- ◆ Install and space expansion and control joints in all directions in accordance with TCNA HANDBOOK FOR CERAMIC TILE INSTALLATION Detail #EJ-171 recommendations, or TTMAC Specification Guide 09 30 00 Detail #301-MJ recommendations. CAUTION: DO NOT cut EXPANSION JOINTS in after the tiles have been installed. Install tiles normally and stop when the control joint location is reached. Cut the tile if required and resume setting from the opposite side of the joint. Before proceeding further, rake the joint and leave the tile and joint space clean.
- ◆ DO NOT FILL EXPANSION JOINT SPACE UNTIL GROUTING IS COMPLETED on the remainder of the job.
- ◆ Install a suitable industry-approved compressible bead and flexible sealant to caulk expansion and control joints. Follow the sealant manufacturer's installation instructions.

### Curing

- ◆ 3 hours minimum or when material turned black, dry and tacky.

### Warranty

Prima warrants that this product is manufactured using quality raw materials and is of merchantable quality and suitable for the purpose for which it was intended. Prima's liability under this warranty shall be limited to the replacement of its product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use of/or the inability to use this product.

### Technical Data for PRO MBR (@ 23°C [73°F] and 50% RH)

<b>Time before applying mortar:</b>	.....3 hours minimum or when material is dry and tacky
<b>Time before flood testing:</b>	.....72 hours
<b>Time before water immersion:</b>	.....7 days minimum
<b>Flammability:</b>	..... Non-flammable
<b>Toxicity:</b>	..... Non-toxic
<b>Color of paste:</b>	..... blue
<b>Color of paste when dry:</b>	..... black
<b>Paste density:</b>	..... 1.12 g/mL
<b>VOC Content:</b>	..... 0 g/L
<b>Tear strength (7 days):</b>	..... 5.0 lb (24 Newton) / 239 lb/ft <sup>2</sup>
<b>Approximate coverage per 4 L (1.05 U.S. gal)</b>	
Thickness	..... Coverage
0.7 mm (1/32")	..... 8,4 m <sup>2</sup> (90 ft <sup>2</sup> )
1.5 mm (1/16")	..... 4,2 m <sup>2</sup> (45 ft <sup>2</sup> )
<b>Shelf life</b>	
12 months if kept in its original unopened packaging and stored in a dry location.	
<b>Health and Safety</b>	
Refer to the Material Safety Data Sheet (MSDS) for complete details.	

### Contact Information

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