



# PRO MBR™ XD FIBER MESH

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

PRO MBR XD FIBER MESH is a high-performance, alkali-resistant woven fabric used with PRO MBR XD waterproofing membrane when applying around corners, coves, drains, seams and for perimeter wall transitions to ensure 100% waterproofing results. The product is also used with PRO MBR XD for isolating shrinkage cracks, in plane, up to 3 mm (1/8") wide.

### Features

- ◆ Use with PRO MBR XD waterproofing membrane when applying around corners, coves, drains, seams and for perimeter wall transitions to ensure 100% waterproofing results
- ◆ Use with PRO MBR XD to isolate shrinkage cracks, in plane, up to 3 mm (1/8") wide
- ◆ Thin, lightweight and uniform
- ◆ Excellent dimensional stability and tensile strength
- ◆ Efficient thermal conductivity
- ◆ For interior and exterior institutional, commercial and residential floor, wall and ceiling applications
- ◆ Will not promote mold, mildew or bacteria growth
- ◆ No VOC
- ◆ Exceeds ANSI A118.12 high-performance standards for crack isolation when used with PRO MBR XD waterproofing membrane
- ◆ Eco friendly for users of the material

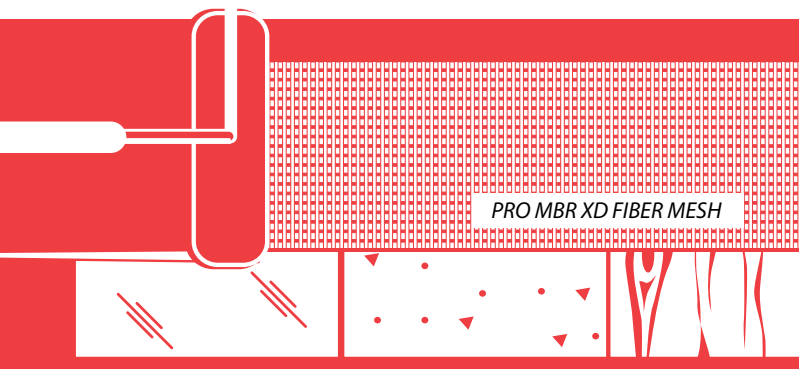
### Packaging

Roll: 12" x 25' (30 cm x 7.5 m)

Roll: 12" x 150' (30 cm x 46 m)

Roll: 39" x 25' (100 cm x 7.5 m)

Roll: 39" x 328' (100 cm x 100 m)



Stainless Steel /  
Inox / Metal

Concrete

Exterior-Grade  
Plywood

### 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)
- ◆ Exterior Grade Douglas Fir Plywood, certified CANPLY (SELECT) or (SEL-TF) CSA 121, for INTERIOR Residential Light-Duty Floors in dry areas only\*
- ◆ Cementitious Terrazzo floors\*
- ◆ Existing unglazed ceramic tile\*
- ◆ Stainless steel, inox, metal and ABS drain assemblies\*

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

### Limitations

- ◆ Do not use at temperatures below 10°C (50°F) or above 35°C (95°F).
- ◆ Do not apply directly over particleboard, chipboard, presswood, Luan, masonite and other dimensionally unstable materials.
- ◆ Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.





## 4. TECHNICAL DATA

### Applicable Standards

For Additional Information, please refer to the most recent TCNA handbook for ceramic tile installation or the TTMAC Specification Guide 09 30 00 Tile Installation Manual, or visit our website at [www.proma.ca](http://www.proma.ca).

PHYSICAL PROPERTIES (@23° C [73° F] and 50% RH)	
Weave	Leno
Finish	Alkali resistant
Weight (ASTM D-3776)	2.7 oz/yd <sup>2</sup> (92.0 g/m <sup>2</sup> )
Thickness (ASTM D-1777)	0.015 per inch (0.370 per mm)
Construction (ASTM D-3775)	
Warp	6.4 yarns/inch (25 yarns/10 cm)
Weft	5.0 yarns/inch (20 yarns/10 cm)
Minimum tensile (ASTM D-5035)	
Warp	90 lb/in (400 N/2.54 cm)
Weft	135 lb/in (600 N/2.54 cm)
Shelf life	
60 months if kept in its original unopened packaging and stored in a dry location.	

## 5. INSTALLATION

### Surface Preparation

(Refer to PROMA Surface Preparation Guidelines for complete details)

- ♦ All supporting surfaces must be structurally sound, solid and stable.
- ♦ 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.

### Application

#### PRO MBR XD FIBER MESH with PRO MBR XD as a Waterproofing Membrane

##### Cracks, corners and coves (floor and wall intersections)

1. Fill all cracks, gaps in corners and coves greater than 1 mm (1/32") with a PROMA polymermodified mortar. Fill space completely, then smooth with a trowel and allow to dry.
2. Apply a coat of PRO MBR XD over filled cracks, gaps in corners and coves using a paint brush or roller, spanning crack with a little over 30 cm (12") wide of material.
3. Embed PROMA fiber mesh (cut from a 30 cm [12"] size roll) into wet membrane, using the brush or roller to press mesh until the liquid comes completely through. Remove any bubbles or wrinkles and ensure corners and edges are flat. For coves, use mesh 50 mm (2") on to the floor and 100 mm (4") up the wall; and for corners, use mesh 75 mm (3") on each side around corners.
4. Allow membrane to dry (turn black), then apply a second coat.

### Drains

1. Use a clamping ring-type drain with weep holes for thin-set applications.
2. Apply a coat of PRO MBR XD to the bottom of the flange (making sure it is in plane and fully supported), then apply around the drain.
3. Embed PROMA fiber mesh (cut to fit from a 100 cm [39"] size roll) into wet membrane, using the brush or roller to press mesh until the liquid comes completely through. Remove any bubbles or wrinkles and ensure corners and edges are flat.
3. Allow membrane to dry (turn black), then apply a second coat.
4. After curing, clamp the upper flange onto the membrane and securely tighten. Apply a bead of silicone caulk where the membrane and the flange make contact.

#### PRO MBR XD FIBER MESH with PRO MBR XD as a Crack Isolation Membrane

1. Apply a coat of PRO MBR XD over cracks using a paint brush or roller, spanning crack with a little over 30 cm (12") wide of material.
2. Embed PROMA fiber mesh (cut from a 30 cm [12"] size roll) into wet membrane, using the brush or roller to press until liquid comes through the mesh. Remove any bubbles or wrinkles and ensure corners and edges are flat, then IMMEDIATELY apply a second coat of PRO MBR XD.

### Curing and Protection

- ♦ Protect from dirt, dust and damage from other trades until fully covered by the PRO MBR XD waterproofing and crack isolation membrane.

### Health and Safety

Refer to the Material Safety Data Sheet (MSDS) for complete details.

## 6. AVAILABILITY AND COST

PROMA products are widely available in Canada and the Northeast United States. To find a distributor of PROMA products, call **toll-free: 1.866.51.PROMA (77662)**.

## 7. WARRANTY

PROMA 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. PROMA'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.

## 8. MAINTENANCE

Product requires no special maintenance. Do not leave without tile, stone or permanent floor covering or exposed as a wear surface.

## 9. TECHNICAL SERVICE

For more detailed information on this product, please contact our technical department for proper recommendations and job field assistance. **Toll-free: 1.866.51.PROMA (77662)**.

## 10. FILING SYSTEM

Additional information is available upon request, or by visiting [www.proma.ca](http://www.proma.ca).

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