



# PRO CBM 2™

**20% MORE COVERAGE THAN THE ORIGINAL!**

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

PRO CBM 2 is a premium, extremely flexible, peel & stick fabric-reinforced, crack-isolation and sound reduction sheet membrane for tile and stone installation. PRO CBM 2 is lightweight, load-bearing and allows for tile or stone to be installed immediately after its application. Wood flooring can also be installed in a glue down application using PROMA's PRO 9000™ urethane wood flooring adhesive (see respective data sheet for details) and in a floating application.

### Features

- ◆ Isolates shrinkage cracks, in plane, up to 10 mm (3/8") wide
- ◆ Compatible with all polymer-modified thin-set mortars and urethane wood flooring adhesives
- ◆ For interior light-commercial and residential applications
- ◆ Reduces the need for expensive resurfacing (e.g. epoxy floor surfaces)
- ◆ Provides sound-dampening characteristics
- ◆ Self-adhesive backing for quick and easy installation
- ◆ Flexible and lightweight
- ◆ White fabric for easy surface marking
- ◆ No odor
- ◆ Exceeds ANSI A118.12 high-performance standards for crack isolation
- ◆ Contributes to LEED® objectives and requirements

### Packaging

1 roll = 1 x 16.76 m (3.25' [39"] x 55') or 16.63 m<sup>2</sup> (179 ft<sup>2</sup>)



### 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
- ◆ Exterior Grade Douglas Fir Plywood, certified CANPLY (SELECT) or (SEL-TF) CSA 121, for INTERIOR Residential Light-Duty Floors in dry areas only<sup>†</sup>
- ◆ Cementitious Terrazzo floors<sup>\*</sup>
- ◆ Properly prepared gypsum-based screeds and leveling coats<sup>†\*</sup>
- ◆ Existing ceramic tiles (interior applications)<sup>†</sup>
- ◆ Existing VAT and VCT tiles, and non-cushioned vinyl sheet goods<sup>\*</sup>

<sup>†</sup> When primed with PRO SUPERPRIME™ or PRO PRIME LP™ (diluted 1:3 with water)

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



Concrete

Exterior-Grade Plywood

Existing Ceramic Tile

Existing VAT, VCT and Non-Cushioned Vinyl Sheet Goods





## Limitations

- Do not use as sole floor covering, or as an exposed surfacing material. Must be covered with suitable flooring material.
- Do not use for roofing.
- Do not use for exterior surfaces
- Do not use on vertical surfaces
- Should not be left exposed as a resurfacing material.
- Do not apply at temperatures below 4°C (40°F) or above 35°C (95°F).
- Do not apply directly over particleboard, chipboard, presswood, Lauan, masonite, OSB and other dimensionally unstable materials.
- Do not use directly over gypsum-based leveling and patching compounds, laminated fiberglass, metal, residual carpet adhesive or cut-back adhesive residue.
- Do not use premixed products such as Mastics to set tiles over PRO CBM 2.
- Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.
- Do not use for bridging cracks greater than 3/8" (10 mm) wide. If so, fill cracks before application.
- Do not use over expansion and control joints.
- PRO CBM 2 will not protect tile or stone flooring from out of plane crack movement. Use only where in plane crack movement is expected, such as thermal expansion and shrinkage cracks.
- Do not use as a waterproofing membrane or for submerged applications.
- Do not apply self-leveling products over PRO CBM 2 membrane.

## 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)	
VOC content	0 g/L
Thickness	47 mils (1.2 mm)
Weight	13.4 kg (29.5 lbs) 0.8 kg/m <sup>2</sup> (0.16 lbs/ft <sup>2</sup> )
Color	Black with white reinforced fabric
Crack isolation test	In accordance with ANSI 118.12-2010; par. 5.4 standard
Water vapor permeance (ASTM E96)	5,95 Ng/Pa.s.m <sup>2</sup> (0,104 perms)
Breaking strength (ASTM D2523)	10.3 / 6.4 kN/m (58.8 / 36.5 lbf/in)
Elongation (ASTM D2523)	27 / 34%
Low temperature flexibility (ASTM D2523)	-34°C (-29°F)
Tear resistance (ASTM D4073)	277 / 214 N (62.3 / 48,1 lbf)
Moisture resistant	In accordance with ANSI A118.12 - 4.1.2 standard
Robinson test 12" x 12" tile 3 mm (1/8") sanded grout joint Polymer-modified mortar PRO PRIME LP™ primer 50 mm (2") thick concrete slab	Cycle 6 Residential and Light Commercial
Coverage per 1 x 16.76 m (39" x 55') roll	16.63 m <sup>2</sup> (179 ft <sup>2</sup> )
Shelf life	
24 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 slightly roughened and **PRIMED** with PROMA's PRO SUPERPRIME™ primer or PRO PRIME LP™ primer (diluted 1:3 with water) prior to applying the PRO CBM 2.
- Existing concrete slabs with old cutback adhesive or carpet adhesive residues must be scraped, roughened, cleaned, properly prepared and **PRIMED** with PROMA's PRO SUPERPRIME primer or PRO PRIME LP primer (diluted 1:3 with water) prior to the application of the PRO CBM crack isolation membrane (see respective technical data sheets for full details or contact our Technical Service Department for appropriate recommendations).
- Existing ceramic tile, VCT or hard to bond to surfaces should be PROPERLY PREPARED prior to the application of PRO CBM 2. Contact our technical Service Department for appropriate recommendations.

**Note:** Scrape off as much as possible of the old cut-back adhesive.

- For improved adhesion to concrete and wood, apply a thin prime-coat of PRO SUPERPRIME primer or PRO PRIME LP primer (diluted 1:3 with water). Use a push-broom or thick nap paint roller to apply primer (see respective technical data sheets for details).

### Application

Prepare all substrates in strict accordance with PROMA's latest written recommendations.

- In order to achieve effective crack isolation, PRO CBM 2 must bridge the cracks by 1 1/2 times the width of the tile or stone flooring on either side of the crack. Example, if the tile dimension is 12" x 12", then the total width of the membrane must be 36", i.e. 18" on either side of the crack. In order to insure against additional potential cracking, it is recommended that the entire floor area be covered. Direct crack treatment may also be done.
- Roll out material and pre-cut to fit area to be covered.
- Flip back or re-roll material so as to expose the clean substrate. Apply PRO SUPERPRIME or PRO PRIME LP in accordance to PROMA's latest written recommendations.
- Allow PRO SUPERPRIME or PRO PRIME LP to completely dry before installing the PRO CBM 2 membrane.
- Roll out the pre-cut PRO CBM 2 membrane onto the primed substrate.
- Peel back the protective paper and firmly press into place. Continue until the entire crack or substrate has been treated.
- Puncture the membrane so as to remove any trapped air bubbles and firmly press onto the substrate.
- Continue until the entire area to be treated is complete.
- Roll PRO CBM 2 membrane with a heavy metal stand-up roller (75 lb-100 lb/34 kg-45 kg) over the entire membrane to ensure complete contact is made to the substrate prior to installing tiles.
- Install tile or stone using a PROMA polymer-modified mortar, such as PRO HPX®, PRO P-151™ or PRO FLEX SELECT®.

**Notes:** Protect PRO CBM 2 sheet membrane surface from any spills, contamination and damage while tile installation is in process.

When installing large-format tile or stone, allow for a longer cure time prior to the application of grout. If a shorter turnaround time is needed, use a fast-setting polymer-modified thin-set mortar such as PRO QUICK SF™.



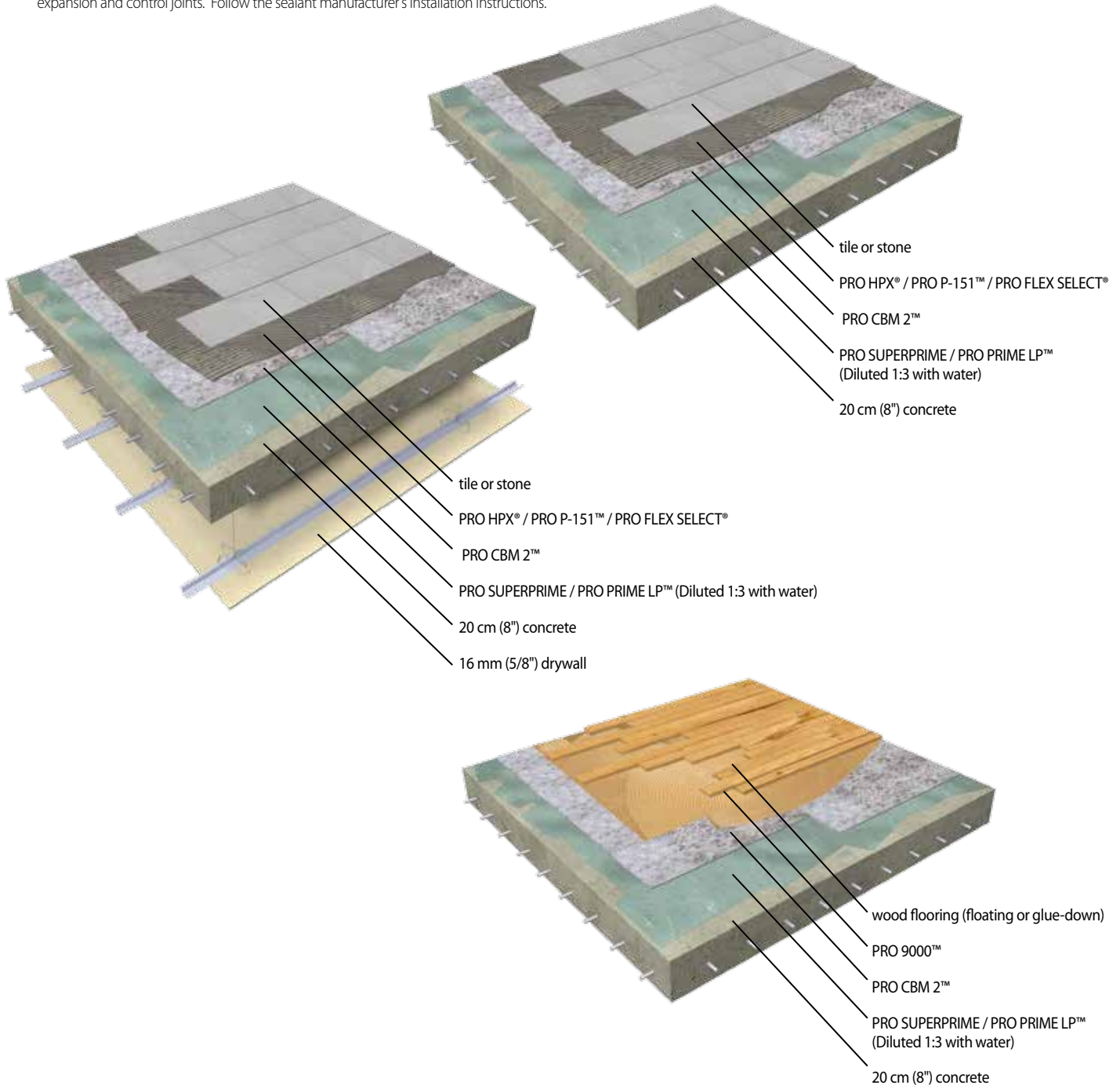


**Expansion and Control Joints**

- ♦ 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.

**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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