



Starpatch Concrete Products

#5-6420 Beresford Street,

Burnaby, B.C. V5E 1B6

Phone: (604) 433-7355 Fax: (604) 433-7358

Water Proofing & Anti-Fracture Membrane

LIQUID APPLIED-TROWEL, BRUSH, ROLL OR SPRAY

Description:

Premium ready to use water proofing and anti-fracture membrane for all interior and exterior applications where crack transmission and damp proofing is required. This product meets ANSI 118.10 for waterproofing membranes. Ready to use no mixing required.

Advantages:

- Product is very flexible and elastic.
- Can be applied to damp concrete
- Extreme bond to plywood and concrete
- Can be applied by brush, roller, trowel or airless spray.
- Bridging between dissimilar substrates
- Use interior or exterior

Recommended For:

Waterproof & Anti-Fracture Membrane can be applied to concrete, cement backer boards and plywood. It can also be applied over existing tile if surface profile is textured. If unsure about adhesion to substrate please apply a small test patch. Membrane can be applied overhead, vertical or horizontal.

Uses:

Waterproof and Anti-fracture Membrane can be used with these floor coverings; cementitious topping, ceramic tile, vinyl, rubber tile and stone. Ideal for any use where non-structural crack transmission needs to be reduced.

Surface Preparation and Application:

The concrete, masonry or wood/plywood surface must be clean and free of all dust, grease, and other foreign material. New concrete must be cured for 28 days. Existing surfaces must be properly prepared and levelled repairing all defects, using standard concrete repair methods. Pre-fill and repair all voids and holes before applying the membranes. Voids left under the membrane are weak spots prone to expansion, contraction and puncture. Dampen all porous surfaces; do not leave standing water. All corners and cracks ($< \frac{1}{8}$ ") should be pre-treated with the membrane. Cracks greater than $\frac{1}{8}$ "

should be treated as an expansion joint. Extend pre-treated areas about 4"-5". Once all pre-treated areas are complete begin applying membrane by using smooth continuous even strokes with your application device. Overlap each stroke by approx. $\frac{3}{4}$ " to ensure complete coverage. To obtain a proper vapour barrier a $\frac{1}{16}$ " coating is required. This is best achieved by applying two coats of $\frac{1}{32}$ ". Allow 2 hours between application (**DO NOT WAIT LONGER THEN 24 HRS BETWEEN APPLICATIONS**). The second application should be applied at a right angle to the first. Floor covering may be installed after 24 hours.

Surface Preparation and Application of Membrane combined with Fabric:

When applying Waterproof and Anti-fracture membrane as a two part system with fabric, always pre-treat any corners and cracks with membrane and 6" wide re-enforcing fabric. Allow pre-treated areas to dry to the touch before applying Waterproof Anti-fracture membrane with re-enforcing fabric over the entire area. Using a brush or roller, apply a liberal coat (20 – 30 mils thick) over the substrate. Press the fabric into the wet liquid and smooth out any folds. Press the fabric with a brush or roller until the liquid bleeds through the surface. Overlap the fabric seams by 2". Apply another liberal coat of liquid over the fabric to saturate it. Once the membrane has dried (1 to 3 hours) apply another coat (20 to 30 mils thick) over the entire surface to seal the membrane. When the third coat has dried to the touch inspect the surface for pinholes, voids or other imperfections and apply additional membrane to these spots as required.

Re-enforcing fabric and the third coat of membrane can be omitted over interior, vertical cement backer board or drywall surfaces. Pre-treatment of cracks and corners is still required.



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Protection:

For exterior application, membrane must remain protected from the elements until floor covering is applied. When installing floor be careful not to puncture or soil the membrane.

Limitations:

Temperature at time of application may not be lower than 5°C/41°F for 72 hrs after application. Do not use to bridge existing expansion joints. Do not use as a wear surface. Do not store contaminated applicators in bucket. **DO NOT FREEZE.**

Packaging/Coverage:

3.78 liter (1 USG)	35-40 sq. ft
20 liter (5.29 USG)	175-200 sq. ft

Test Data: ANSI 118.10

	Without Fabric	With Fabric
Fungus & Micro-organism Resistance	Passes	Passes
Seam Strength	10.2 lb./in. width	97 lb/in width
Breaking Strength	401 psi	2550psi
Dimensional Stability	0.70%	No change
Damp-Proofness	Passes	Passes
Shear Strength		
• 12 Day	265 psi	305 psi
• 100 Day Water Immersion	95psi	95psi
ASTM D-638		
Elongation %	%	
21 Day Dry	562	562
7 Day Dry/21 Day Wet	657	657
Tensile	Psi	
21 Day Dry	345	
7 Day Dry/21 Day Wet	562	
ASTM E-96		
Permeability	.013	.060
Water Vapour Trans.	.085	.020
ASTM D-751 (B)		
Hydrostatic Resistance	Passes	Passes
ASTM C836 sec. 5.7		
Low Temp. Flex & Crack Bridging	20°C-No Cracking -25°C-No Cracking	20°C-No Cracking -25°C-No Cracking

Wear rubber gloves and eye protection.

Caution: May cause skin irritation. In case of skin or eye contact, wash thoroughly with water. Please consult the MSDS for detailed safety and handling instructions. In case of eye contact flush with water for 15 minutes, and call nearest physician. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**

Warranty: Starpatch Concrete Products warrants that if its products prove to have manufacturing defects and Starpatch is notified of such within 6 months from date of Starpatch shipping, Starpatch will replace the defective products F.O.B. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. This warranty is in lieu of all other warranties, expressed, implied or statutory and is strictly limited to its terms. Starpatch makes no warranty of merchantability or suitability of its products for any particular purpose. Starpatch sells its products upon the condition that the customers shall conduct their own tests to determine the suitability of the products for the customers intended purposes. Under no circumstances will Starpatch be liable for economic, special, incidental or consequential damages or losses of any kind whatsoever arising out of or occasioned by the selection, use, installation or replacement of this product.

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Safety: