

B-6000 WATERPROOF/CRACK ISOLATION MEMBRANE

Description

ProSpec® B-6000 Waterproof/Crack Isolation Membrane is a new advanced latex polymer based technology used as a waterproofing membrane underlayment or as part of a crack isolation system.

Features

- Ready to use - no mixing required
- Waterproof
- Flood test in 12 hours
- Ready to use
- Exceptional elongation
- Flexible
- Allows light foot traffic in 4-6 hrs.
- Meets IAPMO specifications
- Interior and exterior
- Horizontal and vertical applications
- Exceeds ANSI A118.10 and A118.12
- Will not support mold growth
- Solvent free and VOC compliant
- Anti-fracture protection up to 1/8" (3 mm)

Uses

- Swimming pools and fountains
- Spas
- Food processing areas
- Balconies over unoccupied space
- Shower stalls and tub surrounds
- Light commercial bathrooms
- Steam rooms
- Above and below grade
- Walls or floors
- Crack isolation membrane
- Installation over concrete, masonry, plywood, OSB or tile backerboard

Recommended Substrates

- Concrete
- Brick masonry
- Gypsum wall board
- Exterior grade plywood*
- OSB*
- Mortar beds
- Plaster
- Cement backerboard
- Countertops

* NOTE: Interior only

Technical Data					
	Typical Values	ANSI A118.10		Typical Values	ANSI A118.10
Shear Strength			Breaking Strength	400 psi (2.8 MPa)	Min. 170 psi (1.2 MPa)
12 weeks dry	200 psi (1.4 MPa)	>50 psi (0.3 MPa)	Waterproofness	Passes	
Water Immersion			Permeability	1.68 perms	ASTM E 96
100 days	150 psi (1.0 MPa)	>150 psi (1.0 MPa)	Hydrostatic Resistance	Passes	ASTM D 751 Procedure B
Fungus & Micro Organism Resistance		Passes	Dimensional Stability	600%	ASTM D 638

Test results obtained under controlled laboratory conditions. Reasonable variations can occur due to atmospheric and job site conditions.

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Preparation	Refer to
<p>1. Clean area and remove all unsound concrete, grease, oil, paint and any other foreign materials that would inhibit performance.</p> <p>2. The substrate must be dimensionally stable.</p> <p>3. Concrete floors must be cured a minimum of 28 days and have a profile finish.</p> <p>NOTE: It is the responsibility of the installer/applicator to ensure that test areas are performed to determine the suitability of the product for its intended use.</p>	<p>• ICRI Guideline 03732 <u>Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays</u></p>

Placement

Do not apply under wet conditions or where these conditions are likely to occur before the membrane has fully dried.

Pre-treating of corners, wall/floor intersections

1. Using a paint brush fill all corners, cracks, or wall/floor intersections with a liberal amount of the B-6000 Waterproof Membrane that are greater in wide than 1/32" and smaller in wide than 1/8". Allow to dry.
2. Apply a second coat of the B-6000 Waterproof Membrane and allow to dry.

Pre-treating around pipe/penetrations:

1. Fill all openings with the proper modified ProSpec concrete repair material or for small holes or gaps around pipes the PermaFlex Thin Set Mortar can be used. Using a paint brush apply a liberal amount of the B-6000 Waterproof Membrane over the repaired or filled areas. Embed the ProSpec Mesh Fabric over the B-6000 Waterproof Membrane followed by a liberal coating. Allow to dry.
2. Apply a second coat of the B-6000 Waterproof Membrane and allow too dry.
3. A urethane or silicone sealant will be needed around the pipe where the B-6000 Waterproof Membrane ends.

Placement

1. Brush, roll or spray two coats to achieve a minimum thickness of 30 wet mil thickness. Check the mil thickness periodically during the application with a mil gauge to assure that the thickness is minimum 30 wet mils.
2. Apply each coat at right angles to each other to assure any pinholes are completely filled.
3. Allow the first coat to dry completely before the second coat is applied. Drying time will take approximately 1 hour but may vary due to the environmental conditions.

4. Do not bridge over existing expansion or control joints.

NOTE: ProSpec B-6000 is not designed for use as a wear surface or finished floor. The final wear surface (ceramic tile, stone, concrete, etc.) should be installed within 24 hours after the second coat of ProSpec B-6000 has dried.

Crack Isolation:

As a preventive measure:
Apply ProSpec® B-6000 at a minimum of 30 wet mils (16 mil dry, nominal) thick over the entire concrete floor.

Existing cracks:

1. Using a paint brush apply a liberal amount of the ProSpec B-6000 Waterproof Membrane over the cracked area at least 3" on each side of the crack. Embed the ProSpec 6" Non Woven Mesh splitting it evenly on each side of the crack and into the ProSpec B-6000 Waterproof Membrane. Caution should be taken to assure that it completely wets out and that there are no dry or uncoated areas under the Non Woven Mesh. Apply a second of the ProSpec B-6000 Waterproof Membrane over the Non Woven Mesh to assure that it is completely covered.
2. Allow to dry

Waterproofing and Reinforcing of Corners and Cracks:

1. Apply a liberal coat of ProSpec B-6000 over the area in which you are waterproofing. Embed the ProSpec non-woven reinforcing mesh into the wet B-6000, being careful to ensure that the mesh is in full contact with the B-6000.
2. At all corners, embed ProSpec reinforcing non-woven mesh extending a minimum of 6" (152 mm) on each side.
3. For exterior applications, follow the same procedure for change of plane as written in number 2.



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Placement (continued)

4. A margin trowel or equivalent may be necessary to push the mesh into the corners insuring full contact to the wet B-6000 and the substrate. Once the mesh has been installed, apply a sufficient amount of the ProSpec B-6000 over the mesh being sure to cover the mesh completely. It is not necessary for the first coat under the mesh to dry prior to applying the final coat. Allow to completely dry (approximately 4 hours) before applying overlay or topping. When applying mesh reinforcement to areas larger than 4' (1 m) in width the mesh should be overlapped by 2" (51 mm) and sealed by applying the ProSpec B-6000 between the seams completely
5. Total minimum thickness of 30 wet mils (16 mil dry, nominal).

Drain application:

Clamping ring type drains with weeping ability must be used as per ASME A112.6.3. The ProSpec non woven mesh must be used for all shower pan applications. Cut the ProSpec® mesh to the size of the shower stall area allowing for enough material to turn up the wall a minimum of 3" above the shower curb. Cut a circular hole in the center of the mesh to the size of the drain throat. Apply a liberal amount of the ProSpec B-6000 Waterproof Membrane around and over the bottom of the drain clamp up to the drain throat. Place the ProSpec mesh over

the wet ProSpec B-6000 Waterproof Membrane, wetting the mesh completely. Apply a second liberal coat of the ProSpec B-6000 Waterproof Membrane over the ProSpec mesh. When dry, apply a bead of sealant around the drain throat where the ProSpec B-6000 Waterproof Membrane terminates. Follow by installing top drain clamping ring.

Expansion joints:

Apply a liberal amount of ProSpec B-6000 Waterproof Membrane into the expansion joint being sure to fully coat the sides and bottom of the entire area. Fold and place the ProSpec mesh into the wet ProSpec B-6000 Waterproof Membrane being sure to have the fold or u shape fully embedded at the bottom of the expansion joint. Follow with a second coat of the ProSpec B-6000 Waterproof Membrane over the entire ProSpec mesh. A closed cell backer rod can be placed into the expansion joint once the ProSpec B-6000 is dry.

Note: This method is for waterproofing applications only not for bridging expansion joints. Changes in the substrate plane, and any expansion joints in the substrate must be honored. Refer to TCA Handbook for Ceramic Tile Installations Method EJ171 for recommended installation procedure.

It is the user's responsibility to perform a flood test where required. Allow ProSpec B-6000 to cure 12 hours, or once completely dried throughout, prior to flood test. Additional coats of B-6000 can be applied if necessary.

Yield

Approximately 40 ft² (4 m²) per gallon at 30 mils (two-coat application)

Packaging

1 gallon (3.8 L) or 3.5 gallon (13.2 L) pail

Non-woven reinforcing mesh:

6" x 60' rolls (6/cs)

36" x 60' rolls (6/cs)

36" x 12' rolls (9/cs)

Shelf Life

One year from date of manufacture in the original container in a cool, dry storage area and protected from freezing conditions.



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Best Performance

- Apply when air or substrate temperature is between 40° F (4° C) and 100° F (38° C) within 24 hours of application. For applications outside this range of temperatures, contact ProSpec Technical Service.
- Two coats are required to ensure uniform thickness
- Test the mil thickness periodically with a mil gauge
- The installer is responsible for proper application.
- The coats must be applied at right angles to each other to assure any pinholes are completely filled.
- ProSpec® B-6000 must be covered with a finish surface.
- Do not bridge over existing expansion or control joints.
- ProSpec B-6000 is not recommended as a primary roofing membrane over occupied space.
- ProSpec B-6000 is not recommended where exposed to negative hydrostatic pressure.
- Do not apply on substrates that are frozen or contain frost.

NOTE: Unprotected membrane should not be directly exposed to sun or inclement weather prior to the installation of the wear surface materials.

Caution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. PROTECT FROM FREEZING.

Liquid or heated vapors may cause irritation of skin, eyes, nose and throat. Read Material Safety Data Sheet before using

this product. For industrial and professional use only.

Do not breathe vapors or spray mist. Use adequate ventilation. Wear safety glasses, resistant gloves and other necessary protective equipment. Avoid

contact with eyes, skin and clothing. Wash thoroughly after handling. Close container after each use. Do not transfer to unmarked container.

First Aid

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call a physician; for skin, wash thoroughly with plenty of soap and water. If vapors or fumes are inhaled, remove person to fresh air. If swallowed, DO NOT induce vomiting, call a physician immediately. IN CASE

OF SPILLAGE, absorb with inert material and dispose of in accordance with applicable regulations. IN CASE OF FIRE: use dry chemical, carbon dioxide, water spray fog, or alcohol foam. Closed containers may rupture or explode when heated. Keep cool with water spray.

Bonsal American at 704-525-1621 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA.

Refer to Material Safety Data Sheet (MSDS) for further information.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal Americans option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAL AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND. Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.