

BC Wet proof

Product Description:-

BCI Wet proof FD is a fast drying, Waterproofing & Crack Isolation Membrane based on advanced latex polymer based technology and reinforced with polymer activators for faster dry times and is used as a waterproofing underlayment membrane or as part of a crack isolation system.

Features and Benefits:

Flexible with exceptional elongation
Waterproof
Solvent free and VOC compliant
Interior and exterior, fast drying and quick turn around times in jobsites for improving productivity
Horizontal and vertical applications
Will not support mold growth
Ready to use - no mixing required
Flood test in 12 hours
Surface dry : 30 minutes , Tack free :2 Hours
Allows light foot traffic in 4–6 hours
Anti-fracture protection up to 1/8 in. (3 mm)

Uses:

Above and below grade walls or floors
Swimming pools, spas, and fountains
Food processing areas
Balconies over unoccupied space
Shower stalls and tub surrounds
Light commercial bathrooms
Steam rooms
Can be applied to a thickness of 1mm in one coat

Recommended Substrates:

Concrete
Brick masonry
Cement Backer Unit (CBU)
Mortar beds
Gypsum wall board
Exterior grade plywood
OSB
Plaster
Countertops
Gypsum-based cement topping (min. 2000 psi compressive strength)
Existing ceramic tile and resilient flooring



Echnical Properties

Applicable standards	ASTMD412, E96
Appearance/Color	Liquid Coating, Black
Density	1.27±3%
pH	8-9
Solid Content	>65 %
Elongation at Break (ASTMD412-98A)	500-600 %
Tensile Strength (ASTMD412-98A)	1.1N/mm ²
Tensile Recovery	90 %
Water Vapor Transition (ASTM E96-95)	0.45-0.5g/h.m ²
Tensile Adhesion	0.8N/mm ²
Chemical Resistance	Alkalies, solvents, Diesel, etc.
UV resistance	No effect after 2000hours
ApplicableTemp	+5°Cto35°C
Overcoating time	6-8 hours depending on application thickness

Packaging:

20 Kgs

Shelf Life:

12 months from the date of manufacture when stored in the original, unopened container, away from moisture, under cool, dry conditions and out of direct sunlight. Keep container from freezing.

Preparation:

- Surface must be clean, dry, hard and free from dirt, loose particles, wax, sealers, curing compounds, grease, paint, efflorescence and any foreign materials that will inhibit adhesion.
- Walls and floors must be structurally sound, free of movement and dimensionally stable.

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Mixing:

No mixing is required. Gently stir to re-blend if needed, prior to application.

Application:

Apply Waterproofing & Crack Isolation Membrane only to surfaces that are frost free and above 40°F (4°C) for 72 hours.

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

Crack Isolation over concrete:

1. Brush, roll to achieve a total 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 pin holes are completely filled.
3. Drying time will take approximately 30-45 mins but may vary due to the environmental conditions. Additional coats of Waterproofing & Crack Isolation Membrane can be applied if necessary.
4. Do not bridge over existing expansion or control joints.

Existing Cracks

1. Using a paint brush apply a liberal amount of the Waterproofing & Crack Isolation Membrane over the cracked area at least 6 in. (15 cm) on each side of the crack.

1. Required total minimum thickness:

- a. General Waterproofing - 30 wet mils (16 mil dry, nominal)
- b. Steam Rooms - 57 wet mils (30 mil dry, nominal)

Allow Waterproofing & Crack Isolation Membrane to cure 12 hours, or once completely dried throughout, prior to flood test.

Additional coats of Waterproofing & Crack Isolation Membrane can be applied if necessary.



Clean up:

Clean tools and hands with warm soapy water immediately after use and before material dries.

Limitations:

Do not apply when air or substrate temperature is below 40°F (4°C) or above 100°F (38°C) within 24 hours of application.

Do not apply fewer than two coats to ensure uniform and minimum thickness.

Do not bridge over existing expansion or control joints.

Do not use as a primary roofing membrane over occupied space.

Do not use where exposed to negative hydrostatic pressure.

Do not apply on substrates that are frozen or contain frost.

Do not use in a steam room unless the dry film is >30 mil thick (57 mil wet).

Initial set time is 1-1½ hours at 70°F (21°C)

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

Coverage:

20 Kgs pail: Yields approximately 200 sq. ft. (18.5 m²) coverage when applied 30 mil wet film in a one

