



DAMP-PROOF MEMBRANE

Primer and Moisture Barrier

- **Water-resistance, prevents rising damp and efflorescence**
- **Excellent adhesion to most substrates**
- **Safe to use in sensitive locations**

DESCRIPTION

DAMP-PROOF MEMBRANE is a two-component water-based epoxy polyamide membrane/barrier coating.

FEATURES & BENEFITS

- Non-flammable and negligible odor
- Can be applied to damp surfaces
- Can be safely applied to freshly laid hardened (green) concrete
- Can be overcoated using almost any decorative or industrial finishing paint
- Prevents the formation of efflorescence when used as a single coat barrier coat
- Has excellent adhesion to most substrates including brick, masonry, concrete block, concrete, stone and timber
- Easy clean-up, using water only
- Compatible with other ABA waterproofing products and ABA tile adhesives

TYPICAL APPLICATIONS

- As a low water vapour transmission coating in the building and construction industries and as a barrier/seal coating over freshly laid or damp concrete
- As a hydrostatic pressure resistant waterproofing membrane to prevent water seepage or dampness penetration through to the interior of walls and floors
- As a waterproofing barrier on the negative side in below grade surfaces such as basements, tunnels, lift wells, retaining walls and car parks
- As a waterproofing membrane or barrier coating over freshly laid hardened (green) concrete, prior to the application of conventional levelling compounds, carpet and tile adhesives
- As a waterproofing membrane in tanking applications, including potable water containment
- As a barrier seal coating over damp, green or efflorescence producing concrete prior to overcoating with conventional building paints

LIMITATIONS

Tiling can commence after 24 hours cure of DAMP-PROOF MEMBRANE, although it should not exceed a maximum of five days. Installer is to ensure that there is no surface contamination during this period.

The product should be applied whilst the surface temperature is between 10–35°C. The product will cease to cure below 10°C. Curing time will also be adversely affected in situations where relative humidity is >85%.

In enclosed areas, ventilation must be provided during curing cycle to enable adequate evaporation of the water.

Care should be taken when sandwiching adhesives between DAMP PROOF MEMBRANE and floor coverings to ensure the water vapor transmission of the covering is sufficient to allow the solvent to escape.

DAMP-PROOF MEMBRANE is not classified as a trafficable membrane.

SURFACE PREPARATION

All surfaces to be treated must be structurally sound. Existing coatings, adhesives and efflorescence should be removed to achieve maximum bond strength and resistance to hydrostatic pressure. Surfaces must be cleaned free of dirt, grease, oil, or other surface contaminants.

Holes, non-structural cracks or other surface deformities should be filled with an ABA RAPIDSET REPAIR MORTAR and leave for 15 minutes to dry

INSTALLATION

Each component should be individually mixed to form a homogenous component.

Thoroughly mix the two components in the ratio of 1:1 by volume until a homogeneous blend is obtained. Only mix as much as may be used within the pot life and avoid excessive aeration during mixing.

FLOORS: Spread the material using a squeegee or stiff nylon broom to achieve coverage and finish using a long nap roller.

WALLS: Apply the product by roller or spray taking care to achieve required coverage.

Care must be taken to work the material into the surface to fill voids and avoid pin holing. A minimum of one coat for efflorescence and green concrete, two coats for waterproofing and waterproofing negative side walls is recommended and care should be taken to ensure uniformity of material and the required coverage is maintained. When finishing, it is necessary to lay the material onto the surface and lightly finish to achieve the required dry film thickness per coat. Minimum 2 coats are required.

Allow to cure for 24 hours before applying water based adhesives, mortars, levelling compounds, decorative coatings or other surface treatments. Care is necessary to ensure the waterproofing membrane coating is not damaged in any way during subsequent treatments



TILING APPLICATION

Substrates such as screeds and renders should be normally allowed to dry for 7 days prior to the fixing of ceramic tiles. Alternatively, DAMP-PROOF MEMBRANE can be applied in one coat by brush or roller application at a coverage rate of 3m²/L.

FLOORING APPLICATION

Where concrete subfloors are damp, DAMP-PROOF MEMBRANE can be applied as a moisture barrier. Two coats are applied at 3.0 m²/L per coat. A single coat of DAMP-PROOF MEMBRANE applied at 2.5m²/L per coat acts as a moisture stop for 'green concrete' not subject to rising damp or permanent moisture.

COVERAGE

The final coverage rate for all surfaces should be a total of 1.5 m²/L (3.0 m²/L wet applied per coat) to achieve optimum properties. In the event that this coverage rate is not achieved in two coats, further coats should be applied to achieve a total uniform coverage rate of 1.5 m²/L e.g. 300 micrometer dry film thickness.

TECHNICAL DATA

Colour	Grey
Finish	Semi-gloss, going to matt with aging
Mixing ratio	1:1 (Part A : Part B) by volume
Dry film thickness	150 micrometers per coat and 300 micrometers minimum with 2 coats application
Recoat time	4 hours @25°C and 50% RH
Full cure	7 days @ 25°C and 50% RH
Pot Life	2 hrs @ 25°C / 1 hr @ 35°C
VOC content	26g/L

PACKAGING

DAMP-PROOF MEMBRANE is available in 4L set (Part A: 2l, Part B: 2l)

STORAGE & SHELF LIFE

DAMP-PROOF MEMBRANE has a shelf life of 12 months if kept in a dry and well-ventilated store in the

original unopened containers.

CLEAN-UP

Wash all equipment in water or water/detergent immediately on completion.

SAFETY PRECAUTIONS

DAMP-PROOF MEMBRANE is hazardous and may cause sensitisation by skin contact. Keep containers in a well ventilated place and tightly closed. Take off immediately all contaminated clothing. In case of eye contact, rinse with plenty of water and contact a doctor. If swallowed, immediately contact doctor or poisons information centre. Avoid release to the environment. For further safety data, consult the latest Material Safety Datasheet available upon request and online at www.aba-sea.com.

DISCLAIMER

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