

# BASE

## APPLICATION GUIDE

### WATERPROOFING MEMBRANE 101

## APPLICATION INSTRUCTIONS

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### Preparation

All surfaces should be clean, sound and free from dry or loose material. Check for waxes, mould release or bond breaking agents, oils or other contaminants that may affect adhesion before application. Apply 1 coat of Acrylic Primer 121 to all surfaces and allow to dry before applying Waterproofing Membrane 101. Alternatively, dilute 3 parts Waterproofing Membrane 101 with 1 part water, mix well and use as a primer coat.

### Application Method

Apply by trowel, brush, or roller to obtain a smooth and even coating. For spray application stir well with mixing drill before use in texture sprayer to reduce viscosity of membrane for use in texture sprayer.

Waterproofing Membrane 101 can be applied in a single coat to any thickness required, however drying time will be significantly increased. Two thinner coats applied at right angles are preferred and result in faster curing times. The membrane needs to be applied to at least 1.5mm dry film thickness. If the first coat does not result in a dry film thickness of at least 1.5mm, then a subsequent coat(s) will be required.

Coat all areas liberally working the product into any voids or depressions. Where reinforcing fabric is to be used apply first coat to the required area and while still wet embed the fabric ensuring no air is trapped. Apply a second coat of membrane at right angles to the previous application. Allow to dry before applying screeds, tiles, or any other coverings.

### Tiling

Waterproofing Membrane 101 is suitable for use with a wide range of water based cementitious and acrylic tile adhesives. Avoid the use of solvent based adhesives (eg liquid nails or contact adhesives) as these may soften the membrane.

Ensure Waterproofing Membrane 101 is fully cured prior to application of tiles. The colour of Waterproofing Membrane 101 will change from light to dark grey when cured and will form a tough membrane.

### Roofs and Decks

When used on roofing, all surfaces must be primed with Base 121 Acrylic Primer before the membrane is applied. Applying 1 coat of an exterior grade paint over the cured membrane is highly recommended to prolong the life of the membrane and protect from UV damage.

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## Retaining Walls & Below Grade Waterproofing

When used on retaining walls and below grade it is important that provision is made for the removal of water from the area through 'ag' lines or similar plumbing devices. These should be placed at the lowest point along the footings to ensure they are able to remove all water that builds up behind the wall.

Ensure the membrane is applied to the entire wall section and extends at least 50mm across onto the footings or slab edge. Before backfilling, fully cover and protect the membrane with plastic sheeting. Backfill with free draining material such as coarse sand or aggregate. Apply to the positive (rear) side of the wall only.

We do not recommend Waterproofing Membrane 101 is used on retaining walls greater than 1m in height.

## Description

Waterproofing Membrane 101 is a highly flexible elastomeric waterproofing membrane designed for use on a wide variety of vertical and horizontal substrates where movement is to be expected. Waterproofing Membrane 101 dries grey with a smooth surface finish and remains highly flexible under extreme elongation and under constant exposure to moisture. Unlike bituminous membranes Waterproofing Membrane 101 does not soften and attract dirt and stains and may be easily cleaned with mild detergents and water. Waterproofing Membrane 101 is a soft coating and not suitable for high traffic areas unless covered with a suitable protective covering such as tiles or pavers but will withstand moderate foot traffic.

Waterproofing Membrane 101 is suitable for application over a wide range of substrates including, concrete, masonry, fibre-cement sheeting, plaster board, brick, render, plastics, metal and timber surfaces. Waterproofing Membrane 101 may be applied to damp surfaces although freedom from surface water and continual dampness is essential for curing to occur. Damp surfaces will increase drying/curing time. Waterproofing Membrane 101 is suitable for use in a wide range of projects including bathrooms and wet areas and retaining walls.

Waterproofing Membrane 101 can accommodate structural movement and complies with the performance requirements of Building Code of Australia. Waterproofing Membrane 101 exceeds design criteria AS4858 (Class III) with elongation exceeding 300%.

Coverage is approx.2m<sup>2</sup> per litre and 2 coats are required.

## HELPFUL TIPS!

Do not apply if rain is imminent or if the temperature is below 5°C or above 35°C. Application of Waterproofing Membrane 101 during cold weather or where there is limited airflow may result in the membrane failing to dry. The introduction of a fan will improve airflow and assist in curing.

Waterproofing Membrane 101 has an opaque finish. If the substrate is still visible, then additional coats will be required to achieve required thickness.

### DISCLAIMER

*Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this guide represents our best scientific and practical knowledge. Any advice, information or assistance provided by Base Coatings in relation to its products is given in good faith, however, is provided without liability or responsibility. Due to the wide variety of site conditions, we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.*