

Lambert® Macproof WP

Elastomeric Cementitious Waterproofing Membrane

Description

Lambert Macproof WP is a two component cement based, graded fine-grain aggregates with special additives and synthetic polymer modified high performance non-toxic waterproofing membrane, which is applied to concrete and mortar substrates to prevent the ingress of water. After curing, it forms an elastic waterproof layer impermeable to chlorides, carbon dioxide and sulphates. Lambert Macproof WP is supplied in a prepackaged form. The two components are simply mixed at site to form a highly workable coating, which is spray, roller or brush applied to the prepared substrate.

Uses

- ❖ Waterproof protective coating for concrete surface subject to chemical attack by de-icing salts and sulphates, etc
 - ❖ Bathroom and wet area
 - ❖ Basements and waste water treatment plant
 - ❖ Waterproofing of plaster surface with hairline cracks
 - ❖ Waterproof membrane laid under interior and exterior ceramic tile floor or wall
 - ❖ Swimming pools
 - ❖ Water tank
 - ❖ Lightweight foam concrete
 - ❖ Water retaining structures and car park
 - ❖ Terraces and balconies
 - ❖ Planter boxes
 - ❖ Brick or blockwork
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Advantages

- ❖ Bonds to green or damp concrete
- ❖ Good crack bridging capability
- ❖ Withstands high hydrostatic pressures
- ❖ Increased frost and salt resistance
- ❖ Good adhesion to sound substrate
- ❖ Non toxic, same as cement
- ❖ Provides effective anticarbonation cover
- ❖ Impermeable & Resistance to CO₂

Technical Data

Colour	Grey
Form	Component A : liquid Component B: powder
Positive Water Pressure Resistance	7 bar
Negative Water Pressure Resistance	3 bar
Tensile Strength	≥1.2MPa (23°C)
Bond Strength	≥0.5MPa
Flexibility in low temperature	-10°C 2h Ø10mm
Water Absorption	<1% (48 hours)
Elongation	≤200%
Resistance to Alkali	No Change (10% NaOH, 48 hours)
Carbon Dioxide Diffusion Resistance	R (equivalent air layer thickness) > 60m
Application Rate	1.0 kg/m ² per coat; minimum 2 coats

Surface Concrete, mortar and masonry surface must be clean, free from grease, oil, laitance, loosely adhering particles and sharp edges. Remove all grease oil and loose particles. All absorbent substrates must be dampened down with clean fresh water prior to the application of the Lambert Macproof WP

Application Pour the liquid component into a clean dry mixing container and mix using a slow speed drill fitted with a paddle. Slowly add the powder component into the liquid and continue to mix. When all of the powder has been added, increase the mixing speed and continue to mix to produce a lump free slurry. Spray, roller or brush applies Lambert Macproof WP in two coats. The second coat should be applied at right angles to the first and after the first coat has cured for 2-4 hours.

Shelf Life Shelf life 12 months. Store in a cool dry place.

Packaging Lambert Macproof WP is supplied in 34.4 kg packs.

Precaution Avoid application in strong direct sunlight or drying winds. Observe material pot life and do not re-work or add water.

Notes

The information, and, in particular, the recommendations relating to the application and end use of Lambert products, are given in good faith based on Lambert's knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respects of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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