

Lambert® Macproof Slurry

Surface applied Crystallization Cementitious Waterproofing

Description

Lambert Macproof Slurry is supplied in powder form and formulated from Portland cement, specially treated quartz sand and active chemicals. The active chemicals require the presence of water and free lime in the capillaries in order to penetrate and form sealing crystals. The special active chemicals penetrate and become integral with the concrete and is not merely a coating. These crystals block the capillaries and minor shrinkage cracks in the concrete to prevent any further water ingress even under pressure. However, the layer will still allow the surface to breathe, preventing build up of vapour pressure. Lambert Macproof Slurry applied to inside or outside surfaces will provide total protection to the concrete.

Uses

- ❖ Basement retaining walls
- ❖ Sewage treatment plants
- ❖ Swimming pools
- ❖ Water retaining structures
- ❖ Water tank
- ❖ Reservoirs, dams, canals
- ❖ Concrete roof / floor slabs
- ❖ Tunnels and foundation
- ❖ Brick, render or blockwork

Advantages

- ❖ Can be applied to green or damp concrete
- ❖ Can be applied to old or new concrete
- ❖ Withstands high both positive and negative water pressures
- ❖ Easy to apply
- ❖ Becoming an integral part of the concrete
- ❖ Non toxic
- ❖ Allow surface to breathe

Packaging

Lambert Macproof Slurry is supplied in 20kg bag.

Technical Data

Flexural Strength (28 d)	≥3.5MPa
Bond Strength	≥1.0MPa
Initial Setting Time	≥20min
Final Setting Time	≤24h
Colour	Grey
Bulk density	Approx. 1.5kg/l
Toxicity	Non toxic
Application Rate	1.0~1.4kg/m ²

Surface

Preparation

All concrete to be treated must have a clean surface and open capillary system. Thoroughly prepare all surfaces removing oil, grease, chemical contamination, loose and friable material, curing agents and laitance. Repair damaged areas, honey combing, major cracks. All substrates must be dampened down with clean fresh water prior to the application of the Lambert Macproof Slurry.

Application

Mix 20kg of Lambert Macproof Slurry with 6 to 7L of water using a slow speed electric paddle mixer. Mix for at least 3 minutes to get a limp0free, homogeneous consistency slurry. Apply Lambert Macproof Slurry by brush onto the dampened substrate in two coats at right angle, the second coat should be applied whilst the first coat is still “green”. The surface of Lambert Macproof Slurry should be cured for 3 to 5 days by damp Hessian sacks, plastic sheet or mist spraying.

Shelf Life

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

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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