CANPROOF 65

CANPROOF 65 PRODUCT DATA

DESCRIPTION:

Canproof 65 is an engineered two-part polymer / cement waterproofing membrane product suitable for fully exposed and below grade negative hydrostatic waterproofing applications. This rapid cure system is designed to meet tight construction programs. Canproof 65 has been tested by independent NATA accredited laboratories and complies with AS-4654.1.2012 for external waterproofing membrane above ground.

The unique blend of cement and polymers gives exceptional adhesion and water resistance to a variety of substrates, whilst being easy to use UV resistant and VOC compliant.

USES:

- Lift pit tanking
- Basement tanking
- Retaining Walls
- Balconies
- Pool / pond linings
- Exposed roof slabs

CHARACTERISTICS / BENEFITS:

- Very fast cure
- Excellent resistance to negative hydrostatic pressure (- 20m)
- UV stable
- Low VOC
- Exceptional abrasion resistance

PACKAGING:

- Part A - 20 Kilogram Liquid
- Part B – 20 Kilogram Powder

COLOUR:

- Liquid - White
- Powder – Grey
- Mixed – Light blue coloured liquid
- Cured Product – Beige coating

SHELF LIFE:

12 months if stored in original unopened packaging.

STORAGE:

Store in a dry and weatherproof area away from direct sunlight at temperature +5°C to +20°C.

APPLICATION:

Canproof consists of two components, a 20kg dry powder mix, and a 20kg liquid latex yielding 16m2 in 2 coats. Mixing uses a **dedicated high shear dispersion blade** attached to a power drill or similar.

The powder component is to be added in a slow and continuous method to the liquid component under constant agitation. The ratios of the components should be strictly adhered to regardless of the application method. Two coats of 1mm wet are to be applied. The final coat is to be applied over the base coat after initial set (@1-2 hours).

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Only mix sufficient material that can be applied within the 60 minute pot life.

Temperatures above 35°C or excessively dry and windy conditions should be avoided for best application. Application should also be avoided when rain or wet conditions are forecast. For best results the substrate to be coated should be cleaned using a high-pressure gurney and left slightly damp prior to application.

For very porous substrates a primer coat is to be applied to reduce the risk of pin holing and eliminate absorption of the membrane into the substrate. Dry time of the primer is @ 15-30 minutes depending on ambient conditions. The primer should be coated at 5m2/kg.

SUBSTITUTE PREPARATION:

Concrete:

Steel trowel or helicopter finish with a minimum of 14 day cure. All concrete surfaces are to be structurally sound with a tightly compacted surface free from dusting or laitance. Damaged concrete is to be repaired, and large cracks treated prior to application. Surface is to be free from ponded or bleed water with no contamination or efflorescence. Concrete is to be wet down prior to application and is to present in a saturated / surface dry condition.

Renders and Screeds:

Allow 1 day cure. Apply Canprime LA primer / sealer.

Concrete Blockwork:

Porous surfaces are to be primed and sealed with Canprime LA primer / sealer. For highly porous surfaces double priming may be required.

Cracks:

For active cracks in excess of 2mm, the crack is to be saw cut, blown out with compressed air and sealed with a single pack polyurethane mastic sealant. Then together with Canproof 65 membrane, a 100mm wide band of deckweb (or similar reinforcing) should be applied. Once all creases and air pockets have been removed a second coat of Canproof 65 should be applied.

Corners, Coves and Floor/Wall Junctions:

Seal and caulk all floor / wall joints, penetrations and changes of direction with a fast cure, single part, moisture cured polyurethane mastic sealant and allow it to cure.

For wall/floor junctions ensure the sealant forms a 10mm x 10mm cove up the wall and along the floor.

Drying and recoat times:

The membrane will be dry to the touch within 30 minutes at 20°C, or 15 minutes at 30°C. Second coat can be immediately applied once touch dry. The membrane will cure within 24 hours dependent on ambient conditions.

SAFETY PRECAUTIONS:

Preferred coating temperatures are between 10°C and 35°C:

- Do not apply when rain is imminent or in wet conditions
- Do not apply where negative hydrostatic head pressures exceed 20 metres.

CLEAN UP:

Wash all equipment with water immediately upon completion of application and before coating is cured.

TECHNICAL INFORMATION:

Mixed State	Density 1.15 Kg/Litre
	pH 11
Cured Film	
Hardness	81-83 Shore A
Tensile Strength	BS EN 1542:1999 CSP1&CSP2: 1.94 MPA CSP 3,4,5: 2.26 MPA CSP 6,7,8,9: 2.4 MPA
Angle Tear Strength	18 MPa
Tear Propagation	7.0 MPa
Abrasion	0.23gm / 1000 cycles
Negative Hydrostatic Head Pressure	Up to 20 m BS EN 12390-8 Permeability to water under pressure (5 bars for 3 days) no penetration
Crack Bridging Ability	BS EN 1062-7 3.91mm

SAFETY DATA:

Please refer to SDS. Components are classified as non-hazardous.

LEGAL NOTES:

Any information and recommendations in relations to the application and end-use of Canproof products, are given in good faith based on current knowledge of the products when properly stored, handled and applied under normal conditions in accordance with our recommendations.

Differences in materials, substrates and actual site conditions are such that no warranty in respect 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 user of the product must test the product's suitability for the intended application and purpose. Canproof reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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