

Lambert® Macproof 922C System

External PU Flooring & Waterproofing System

Description

Macproof 922C system used in exposed application where resistance to ultra violet radiation is critical, it includes one component primer, two component polyurethane liquid membrane and two component top coating. The system can be exposed to sunlight and subject to foot traffic, or under the cement sand screed. The finished membrane is a seamless, self-smoothing, non-toxic and colorful layer.

Usages

- ❖ Inverted Roofs
 - ❖ Concrete & Steel Bridge Decking
 - ❖ Lagoon & Theme Park
 - ❖ Planter Boxes
 - ❖ Basements
 - ❖ Concrete Reservoirs
 - ❖ Roof Renovation
 - ❖ Roof Garden
 - ❖ Swimming Pool
 - ❖ Cladding Roofs
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Advantages

- ❖ Seamless, conforms easily to complex details and irregular surface profiles
 - ❖ High adhesion and tensile stress, prevents the lateral migration of water along concrete surface
 - ❖ Non-toxic, good elongation and elasticity
 - ❖ Structural crack bridging capability
 - ❖ Protect substrate, cement and or iron, high aging property
 - ❖ Color chose for membrane and top coating
 - ❖ Irreversible chemical cure does not permit melting or flow of film at elevated ambient temperatures
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Technical Data

Test Item	Data	Test Method
Density	1.3	DIN 53479
Tensile	>1.8 MPa	ASTM D412
Elongation	>350%	ASTM D412
Hardness	35 shore A	ASTM D2240
Tear	>13 kgf/cm	ASTM D612
VOC Content	< 3%	-

Surface Preparation

- All substrate must be clean, rigid dry and reasonable flat. Any dust, leaf, sand, paint and residue must be cleaned out
- Water contains of substrate should be less than 8%, residual water on surface must be dried up
- Loose cement mortar should be dug out and repaired flat. Wear off anything on surface
- New construction should be aged over than 28 days
- If a crack over 3mm appear on substrate, it should be enlarge and seal with PU sealant. For crack less than 3mm, apply primer on both side, then apply the mixed liquid membrane at 1mm DFT, and adhere non-woven fabric on it

Priming

- Apply the Lambert PU Primer by cloth roller or short hair brush
- If raining, when apply primer, stop and let surface dry up
- After apply primer, let it dry over 30 minutes, and then apply liquid waterproofing membrane. If priming stay over 12 hours, apply primer again

Application

- Open full tin of Macproof 922C component A and pour into mixing tank, then pour Macproof 922C component B Hardener into the tank too. Clean out any residue in tin and make sure the mixing ratio same as designed
- Mix thoroughly by electric mixer at least 5 minutes
- Pour the mixed material on the primed surface, apply by toothed trowel, squeegee or roller
- Tack free time is about 2 hours at 35°C. Waterproofing membrane should be dry in 24 hours and fully cured in 3 days
- The cured waterproofing membrane should be protected by cement sand screed or Macproof 900N UV resistance top coating

Top Coating

- After waterproofing membrane dry, mix two component Macproof 900N top coat thoroughly with correct ratio, then apply top coat onto the membrane by cloth roller or short hair brush
- Top coat should be cured in 24 hours

Packaging

Macproof PU Primer : 10kg tin
 Macproof 922C : 30kg set
 Macproof 900N : 15kg set

Precaution

- Store Macproof 922C system material in dry and cool warehouse. Macproof 922C material is flammable, keep it far from fire and direct sunlight
- Handle Macproof 922C system with cares. If any Macproof 922C splash on clothes or skin, wipe it away, clean with Ethyl Acetate, then wash with plenty of 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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