



OWL

THE WISE CHOICE

LAVA 20

Multi purpose waterproofer

Lava 20 is a single component polyurethane waterproofing system. The product can be applied in temperatures down to 0°C.

Rain resistant within 30 minutes



Description

LAVA 20 is a rapidly curing, single component polyurethane liquid waterproofing membrane, which is UV colour stable and can be applied in one coat.

LAVA 20 cures to form a defect free waterproof membrane with excellent mechanical and elastomeric properties.

LAVA 20 can be used on many different roof substrates and is ideal for use during winter months as it can be applied at temperatures down to 0°C.

LAVA 20 eliminates the drawbacks of multilayer waterproofing systems and reduces labour costs.

Features & Benefits

- 10 year life expectancy with just one coat!
- Cures in 2 hours at 20°C.
- Bubble and defect free membrane.
- Can be used on many different roof substrates.
- Reinforcement layers are not required.
- Excellent weather and UV resistance - rain resistant within just 30 minutes at 20°C.
- UV colour stable.
- Excellent thermal resistance, the product never turns soft. Recommended service temperature 80°C, max shock temperature 200°C.
- Cold resistance: LAVA 20 remains flexible down to -40°C.
- Excellent mechanical properties, high tensile and tear strength, high abrasion resistance.
- Good chemical resistance.
- LAVA 20 breathes so there is no accumulation of moisture under the coating.

Not recommended for unsound or structurally deteriorated substrates

Packaging

2kg, 6kg, 15kg & 25kg cans

Application

All substrates must be primed with LAVA Prime 20 prior to application of the LAVA 20 waterproofing system.

- For a 10 year life expectancy, apply in one coat at a minimum 1.8kg/m² by brush or squeegee.
- For a 20 year life expectancy, apply in 2 coats of 1.5kg each by brush or squeegee.

Waterproofing and protection of

- Roofs pitched or flat.
- Gypsum and cement boards.
- Polyurethane insulation foams.
- Verandas and balconies with light foot traffic.
- Lightweight roofing made of metal or fibrous cement.
- Felt or asphalt membranes.
- TPO & EPDM membranes.
- Concrete, timber, slate, grp, etc.
- Podium decks.
- Planting boxes.

Cleaning

Clean tools and equipment with paper towels and then use PU Solvent.

Shelf Life

Can be kept for minimum 12 months in the original unopened cans in dry conditions and at temperatures of 5-25°C. Once a can has been opened, use as soon as possible.

Precautions

Contains volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor. The MSDS (Material Safety Data Sheet) is available on request.

Technical Specifications In liquid form (before application)

90% dry matter in xylol.

Property	Units	Method	Specification
Viscosity (BROOKFIELD)	cP	ASTM D2196-86, at 25°C	3500-5500
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, at 20°C	1.3 - 1.4
Flash point	°C	ASTM D93, closed cup	42
Tack free time at 77°F (25°C) & 55% RH	Hours	-	2-3
Recoat Time	Hours	-	6-48

The cured membrane

Property	Units	Method	Specification
Service temperature	°C	-	-40 - 80
Max. temperature short time (shock)	°C	-	200
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	70
Tensile strength at break at 23°C	kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	65 (6,5)
Percent elongation at 23°C	%	ASTM D412 / EN-ISO-527-3	> 400
Water vapour transmission	gr/m ² . hr	ASTM E96 (Water Method)	0.8
Tensile set (after 300% elongation)	%	ASTM D412	< 3%
QUV Accelerated Weathering Test (4hr UV, at 60°C (UVB Lamps) & 4 hr COND at 50°C)	-	ASTM G53	Passed (2,000 hours)

OWL DISTRIBUTION

144 Slaney Close, Dublin Industrial Estate, Glasnevin, Dublin. 11
 Tel: +44 845 528 1480 Email: info@owlwaterproofing.co.uk
 Web: www.owlwaterproofing.co.uk