



OWL WATERPROOFING SOLUTIONS

LAVA 20 POLYESTER REINFORCING FABRIC

Date: 16. 09. 2025 - V. 01
TECHNICAL DATA SHEET

Polyester Geotextile Designed to Reinforce

Product Description

Lava 20 Polyester Reinforcing fabric is a non-woven polyester geotextile (60g/m²) primarily used as a reinforcement material with Lava 20 liquid-applied waterproofing membranes.

Product Information

Chemical Base	Polyester non-woven geotextile (60 gr/m ²)
Packaging	1m x 100m length 1m x 50m length 0.2m x 100m length 0.1m x 50m length
Colour	White
Consumption	When applied across the entire surface, there should be a 5-10 cm overlap between the fabric strips.

Advantages

- Easy to apply
- Strong absorption and compatibility with Lava 20 System.
- High tear resistance
- UV-resistant

Suitability

Lava 20 Polyester Reinforcing Fabric is designed to serve as a reinforcing fabric for use with Lava 20, Lava 20 Vertical, Lava Detail 20.

Uses

It can be applied over the entire surface to be waterproofed or used selectively in areas such as:

- wall-to-floor junctions
- wall-to-wall intersections
- around pipe outlets and chimney stacks
- light domes and air conditioning units
- waterspouts (siphons)
- 90-degree angles
- within movement joints and over cracks, among others.

Technical Data

Property	Results	Test Method
Unit Weight	60 ± 5% gr/m ²	EN12127
Tensile Strength	180 N/5cm MD 150 N/5cm CD	EN 29073-3 EN 29073-3
Elongation at break	50% MD 120% CD	EN 29073-3 EN 29073-3
Thickness	0.26± 15%	ASTM D1777
Shrinkage	1.9% - 2.5%	IN EN 290
Drying Time	6.5"/ sec	
Melting Point	250°C	



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Application

Reinforcement of Lava 20 Waterproofing Liquid Membrane and Lava 20 Polyester Reinforcing Fabric:

- Use Lava 20 Polyester Reinforcing Fabric to reinforce the Lava 20 liquid membrane, either across the entire surface to be waterproofed or selectively in critical areas such as wall-to-floor junctions, around light domes, chimneys, pipes, and waterspouts (siphons).
- Apply the fabric on the still-wet Lava 20 liquid membrane, ensuring it is properly cut to fit. Press the fabric to allow it to soak into the membrane, then saturate it further with additional Lava 20 liquid membrane until fully covered.

Crack Repair Before Applying Lava 20 Waterproofing Liquid Membrane:

1. Clean any dust, residue, or contaminants from cracks and hairline fractures in the concrete.
2. Apply Lava 20 Primer locally and allow it to dry for 2-3 hours.
3. Fill the prepared cracks with Owl PU Mastic.
4. Apply a 200mm wide stripe of Lava 20 centred over the cracks. While still wet, place a properly cut strip of Lava 20 Polyester Reinforcing Fabric over it, pressing it down to ensure it soaks.
5. Saturate the fabric thoroughly with more Lava 20 until it is completely covered. Allow it to cure.

Watertight Sealing of Movement Joints Before Applying Lava 20 Waterproofing Liquid Membrane:

1. Clean expansion and control joints of dust, debris, or other contaminants. Widen and deepen the joints if necessary. Apply Owl PU Mastic Joint-Sealant along the bottom of the joint.
2. Brush a 200mm wide stripe of Lava 20 liquid membrane centred over the joint.
3. Place Lava 20 Polyester Reinforcing Fabric onto the wet coating and press it deep into the joint using a suitable tool until it is fully soaked and covers the joint interior.
4. Saturate the fabric with an adequate amount of Lava 20 liquid membrane. Insert a polyethylene cord of the appropriate size into the joint, pressing it deep into the saturated fabric.
5. Fill any remaining space in the joint with Owl PU Mastic sealant and allow it to cure.

Storage

Store rolls in a cool, dry area for up to 24 months. Keep the material protected from moisture and direct sunlight. The recommended storage temperature is between 5°C and 35°C. Products should be kept in their original, unopened packaging, labelled with the manufacturer's name, product name, and batch number. For professional use only.

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