



# OWL WATERPROOFING SOLUTIONS

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TECHNICAL DATA SHEET

## LAVA 20 CHOPPED STRAND MATTING (POWDER BASED)

***Powder Binder Fiberglass Matting For Strength & Reinforcement***

### Product Description

Lava 20 Powder based Chopped Strand Reinforcing fabric is (180 g/m<sup>2</sup>) primarily used as a reinforcement material with Lava 20 liquid-applied waterproofing membranes.

### Product Information

|               |                                                                                                       |
|---------------|-------------------------------------------------------------------------------------------------------|
| Chemical Base | Powder binder<br>Fiberglass Matting (180 gr/m <sup>2</sup> )                                          |
| Packaging     | 6 in x 50 m length                                                                                    |
| Colour        | White                                                                                                 |
| Consumption   | When applied across the entire surface, there should be a 5-10 cm overlap between the matting strips. |

### Advantages

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

### Suitability

Lava 20 Powder Based Chopped Strand Matting is designed to serve as a reinforcement material 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                    |
|------------------|----------------------------|
| Unit Weight      | 180 ± 6% gr/m <sup>2</sup> |
| Tensile Strength | ≥100 N/30cm <sup>2</sup>   |
| R20              | ≤ 0.80%                    |
| Moisture         | ≤ 0.20                     |
| Loss of Ignition | 3.5 ± 1 %                  |
| Wet-out rate     | ≤ 40 S                     |



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## **Application**

### **Reinforcement of Lava 20 Waterproofing Liquid Membrane and Lava 20 Chopped Strand Matting (Powder Based):**

- Use Lava 20 Chopped Strand Matting (Powder Based) 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 matting on the still-wet Lava 20 liquid membrane, ensuring it is properly cut to fit. Press the matting 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 chopped strand matting (Powder based) over it, pressing it down to ensure it soaks.
5. Saturate the matting 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 Chopped Strand Matting (Powder Based) 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 matting with an adequate amount of Lava 20 liquid membrane.
5. Fill any remaining space in the joint with Owl PU Mastic 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. 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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