



# OWL WATERPROOFING SOLUTIONS

## LAVA TOP COAT ECO

TECHNICAL DATA SHEET

Date: 15.01.2022

### Durable Water Based Polyurethane Top-Coat, UV-stable

#### Summary

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The LAVA TOP COAT ECO is a water borne, coloured, durable, flexible, UV-stable, weather resistant, single component, aliphatic polyurethane coating used as a top-coat for protection over water based waterproofing membranes, subject to wear and weathering conditions. The LAVA SILVER TOP COAT consists of flexible, water-based polyurethane resins (dispersion).

When the LAVA TOP COAT ECO is applied, it forms a hydrophobic, 100% waterproof, seamless, polyurethane coating, that protects the Lava 20 Eco waterproofing first layer on a long-term basis and prevents degradation.

#### Uses

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Used over the OWL LAVA waterproofing membranes for:

- Waterproofing Rooftops / balconies / valleys / terraces.
- Waterproofing & UV Protection of PU Foam Insulations.
- Waterproofing of most surfaces exposed to wear and weathering conditions as concrete protection system.

Used over the LAVA 20 ECO on surfaces, with domestic pedestrian traffic (e.g. Roofs, Terraces, Residential Walkways) that need a durable gloss finish.

#### Benefits

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- Simple application (brush, roller or airless spray).
- Water Based
- Durable and impact resistant.
- Non yellowing & Color stable.
- Provides an easy to maintain finish.
- Doesn't fade or degrade by chalking effect of aromatic polyurethane waterproof materials.
- Performs in temperature ranges from - 3 0 °C to + 8 0 °C.
- Low VOC content <100 grams per liter (actual: 50 grams per liter)
- Resistant to frost and thermal shock

#### Quantity Rate

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0 . 2 – 0 . 4 kg per m<sup>2</sup> applied in one or two coats.

Coverage rate is based on a standard roller application on a smooth surface in good conditions. Factors such as substrate conditions, climate and application method can change consumption.

#### Colors

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The LAVA TOP COAT ECO is supplied in white, light grey, brown & red. Other RAL colors can be manufactured & supplied on request.

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## Technical data

PROPERTY	RESULTS	TEST METHOD
Elongation to Break (at 20 °C)	>250 %	ASTM D 412
Tensile Strength (at 20 °C)	>10 N/mm <sup>2</sup>	ASTM D 412
UV Stability (2000 h)	excellent	ASTM G 154
Resistance to Water Pressure	No Leak (1 m water column, 24 h)	DIN EN 1928
Adhesion on surfaces (primed)	>2 N / m m <sup>2</sup>	ASTM D 1542
Hardness (Shore A Scale)	65	ASTM D 2240 (15°)
Rain Stability Time	4 hours	Conditions: 20 °C , 50 % R H
Light Pedestrian Traffic Time	18 to 24 hours	
Final Curing time ( ponding test )	10 days	
VOC	50 g/l	

## Installation Process

### Substrate Preparation

The surface needs to be structurally sound, clean & dry. The substrate moisture content should be over 8 % . New concrete structures need to dry for at least 28 days. Old, loose coatings, dirt, fats or oils need to be cleaned with alkaline cleaner or by a grinding machine.

### Top-Coat

Stir well before using. Apply the Lava 20 ECO Top Coat over Lava 20 ECO waterproofing membrane by roller, brush or airless spray in one or two layers.

To apply a second coat (with quartz etc) wait for 3 - 6 hours to cure and apply again.

Note: Only apply the Lava Top Coat Eco in temperatures above 5°C.

### Shelf Life

Lava Top Coat Eco pails should be stored in a cool dry place and out of direct sunlight and can be stored to 15 months. Materials should be unopened & contain the manufacturers name, product description, batch number & warning labels.

### Safety measures

Keep out of reach from children. See information supplied by the manufacturer. FOR PROFESSIONAL USE ONLY.

We are liable only for our products being free from defects and the correct installation of the materials is the installers liability and responsibility