OWL WATERPROOFING SOLUTIONS

LAVA 20 CATALYST

Date: 23. 12. 2022 - V. 22
TECHNICAL DATA SHEET

Accelerating Additive

Product Description
Lava 20 Catalyst is an accelerating additive for use with the Lava 20, Liquid-applied polyurethane waterproofing membranes.

Uses
Lava 20 Catalyst is mainly used when Lava 20, needs to be applied in very low temperatures or when Lava 20, needs to be applied in combination with polyester fabric in a wet-in-wet application method (higher coating thicknesses in one layer).

Dosage*

Pot Life @20° C, 100ml	20min (3%) - 30min (2%)
Rain stability Time @ 20°C, 1.5 mm coating thickness	3 hours (2%) – 1,5- 2 hours (3%)

Consumption
The mixing ratio of Lava 20 liquid-applied polyurethane waterproofing membranes to Lava 20 Catalyst is:

Lava 20	Catalyst
6 kg	0.18 kg
15 kg	0.45 kg
25 kg	0.75 kg

- → If the full catalyst (0.75 kg Catalyst with 25 kg Lava 20) is used, a maximum of 3 mm thick coating in a single coat can be applied and it will be cured within 3 to 5 Hours.
- → If no catalyst is used, a maximum of 1.5 mm in one coat can be applied and it will dry over 7 to 10 hours.
- → If not using catalyst, we recommend either a two-coat application or incorporating matting in this scenario.

Advantages
- → When used with the Lava 20 System, Lava 20 Catalyst speeds up the smooth curing of the liquid-applied polyurethane waterproofing membranes.
- → This enables over-coating to be completed in three hours even in colder climates.
- → When combined with polyester fabric using the wet-in-wet application process, Lava 20 Catalyst enables liquid-applied polyurethane waterproofing membranes to be put in thicker layers without creating bubbles.

Packaging
0.18 kg, 0.45 kg, 0.75 kg metal pails.
Pails should be stored in dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight. Storage temperature: **5°-35°C**. Products should remain in their original, unopened containers, bearing the manufacturer name, product designation, batch number and application precaution labels.

Shelf Life & Packaging
12 months from the date of production.

OWL WATERPROOFING SOLUTIONS

Application

Surface Preparation Guidelines:

1. **Stir the Membrane:**
   Thoroughly stir the Lava 20 liquid rubber polyurethane waterproofing membranes before use.
2. **Add Catalyst:**
   Add the correct amount of Lava 20 Catalyst to the membrane. Use a low-speed mechanical stirrer to mix the Lava 20 Catalyst and the waterproofing membrane according to the specified ratio. Continue mixing for about 3-5 minutes to ensure the components are properly blended. Pay special attention to mixing the sides and bottom of the pail to achieve a fully homogeneous mixture.
3. **Apply the Mixture:**
   Once mixed, pour the solution onto the prepared surface and spread it evenly. Adhere to all application techniques and guidelines specified for Lava 20 liquid rubber polyurethane waterproofing membranes.

Pot Life Warning: Be sure to use the Lava 20 membrane and Catalyst mixture within the recommended pot life to avoid any curing issues.

Safety measures

See information supplied by the manufacturer. Please study the Safety Data Sheet. PROFESSIONAL USE ONLY.

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflects the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each case to determine whether the product and /or application technology in question meets the specific requirements and purposes. We may guarantee only that our products are compliant with their technical specification; correct application of our products therefore falls entirely within your scope of liability and Users are responsible, in any case, for complying with local legislation and for obtaining any required approvals or authorizations, when necessary, either for their purchase and/or for their use. Values in this technical data sheet are given as examples and may not be regarded as specifications. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always hand in the current code of practice. All values represent typical values and are not part of the product specification. In sample preparation, the lava 20 Catalyst was used as an acceleration additive. The applied coating might yellow and/ or fade upon UV Exposure.