



OWL WATERPROOFING SOLUTIONS

Lava 20 Fast Primer

TECHNICAL DATA SHEET

Solvent Based, Quick Drying, Polyurethane Primer

Product description

Lava 20 Fast Primer is a polyurethane primer that is translucent, durable, deeply penetrating, quickly drying, and rapidly curing.

PRODUCT INFORMATION

Chemical Base Ground and air moisture-cured single-component polyurethane solvent-based primer.

Packaging 4 kg metal pails

Colour** Brown-yellow

Shelf Life 12 months from date of production

Advantages

- Offers high tensile and impact strength
- Easy to apply (roller or brush)
- Dries quickly
- Penetrates deeply
- Anchors well to porous surfaces
- Provides resistance to excessive moisture
- Heat and frost-resistant
- Prevents the formation of dust
- Chemically resistant.

Main Uses

Mostly used on porous surfaces such as concrete, masonry, gypsum, and timber as a primer for polyurethane waterproofing varnishes and polyurethane joint adhesives.

Consumption

0.200 kg/m² in one layer

This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

Technical Data*

Property	Results	Test Method
Composition	Polyurethane pre-polymer. Solvent-based	
Adhesion to concrete	>2.5 N/mm ² (concrete failure)	EN 1542
Resistance to water pressure	No leak {1m water column, 24h) -30° C to +90° C	DIN EN 1928
Service temperature	-30° C to +90° C	Inhouse lab
Application temperature	5° C to 35° C	Conditions: 20° c, 50% RH
Tack free time	1 hour	Conditions: 20° c, 50% RH
Overcoating life	<1 hour	Conditions: 20° c, 50% RH
Final curing time	7 days	Conditions: 20° c, 50% RH



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Application

Surface Preparation

For the best quality and longevity, thorough ground preparation is necessary. The surface must be free of any pollution that could compromise the membrane's stickiness and be clean, dry, and sound. The optimum moisture content should be no more than 5%. Impact strength of the substrate should be at least 25 MPa, and viscous bond strength should be at least 1.5 MPa. At least 28 days must pass before new concrete constructions are ready. It is necessary to use a grinding machine to get rid of old, loose coats, grime, grease, oils, organic compounds, and dust. Potential ground imperfections must be smoothed off. Grinding dust and any loose surface fragments must be completely cleaned.

WARNING: Avoid washing the surface with water! Metal-ball blasting equipment should not be used to smooth the surface because the force of the heavy metal-ball hits will damage the cohesiveness and durability of the concrete surface.

Priming

Apply Lava 20 Fast Primer by roller or brush, until the surface is covered. You can use airless spray allowing a considerable saving of manpower. While the primer is still a bit tacky, apply the polyurethane coating or the polyurethane joint sealant.

RECOMMENDATION: If the surface is very brittle, like lightweight concrete or high porous cement screed, apply two layers of Lava 20 Fast Primer

Safety Measures

Lava 20 Fast Primer contains isocyanates. See information supplied by the manufacturer. Flammable. Please study the Safety Data Sheet. PROFESSIONAL USE ONLY.

Our technical advice for use, whether verbal or written, is given in good faith and reflect 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 individual case in order 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. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice.

*All values represent typical values and are not part of the product specification. **: The applied sealant might yellow and/or fade upon UV exposure.