

Oxal L 70 / Oxal H 30

Two component horizontal barrier against capillary rising damp and for stabilizing masonry

Product Properties

- Two component injection fluid
- Fast curing
- Sealing and solidificating
- Very good penetration capabilities
- Stiff gel with hydrophobizing effect
- Solvent-free
- Toxicological harmless

Areas of Application

- Subsequent horizontal barrier against capillary rising damp, installed using the borehole procedure
- Solidification of brickwork and masonry
- Can not be used in case of pressurising water

Application Notes

Preparatory Inspections

Before injection it is necessary to determine the degree of moisture penetration and the salt-concentration in the substrate. Oxal L 70 / Oxal H 30 must only be used as sealant if the degree of moisture penetration is ≤ 95 %. Test-drillings provide information about the condition of the structural element (e.g. existing voids, strength, etc.).

Substrate Preparation

Depending on the local conditions, boreholes should be distributed over the area of the substrate in such a way that it allows a complete injection of the entire cross-section of the structural element.

Great voids, gaps or open joints should be filled with Oxal BS-V.

Low Pressure Injection

Low pressure injection is done with injection packers. The material is injected with max. 10 bar into the prepared injection-holes (low-pressure injection). For reasons of quality control, it is recommended to document the material consumption for each injection-hole.

Mixing

Oxal L 70 and Oxal H 30 is mixed in the preset

mixing ratio. Oxal L 70 = 100 parts per volume + Oxal H 30 = 12 parts per volume. The mixing should be made very seriously. Oxal L 70 is given into a clean container and Oxal H 30 is poured into it during constant mixing. The mixing duration is at minimum one minute.

After-treatment

Leaking Oxal L 70 / Oxal H 30 must be washed off with a brush and water after finishing work.

Accompanying Measures

After injection the wall has to be sealed using a mineral based waterproofing grout. For the repair of damp- and salt-loaded substrates the use of the Oxal Restoration Render System is recommended.

Damages to the exterior sealing of the building should be sealed with the Nafuflex Sealing System.

Further Information

Cleaning of implements can be made with water. Please observe the WTA-data sheet 4-4-04 "Brickwork-injections against capillary damp".



Technical Data for Oxal L 70 / Oxal H 30

Characteristic	Unit	Value	Comments
Density	kg/dm ³	1.36 1.09	Oxal L 70 Oxal H 30
Viscosity	mPa·s	30	
Mixing ratio	p. p. v.	100 : 12	Oxal L 70 : Oxal H 30
Processing time	minutes	approx. 30 - 60	dependent on temperature
ph-Value		12.5	
Substrate and ambient temperature	°C	≥ 8	
Coverage	kg	approx. 1.5 - 2.5	mixed material per 10 cm thickness of the wall
Processing Conditions	°C	≥ + 5	air- and substrate-temperature

Product Characteristics for Oxal L 70 / Oxal H 30

Colour	Oxal L 70 - transparent Oxal H 30 - slightly yellow transparent		
Storage	Can be stored in unopened packs for at least 12 months. Protect from frost		
Form of Delivery	Oxal L 70	30 kg canister 250 kg barrel	
	Oxal H 30	2.7 kg canister 22.5 kg canister	
Disposal	Please empty the packs completely! For this, please refer to our "Disposal concept for emptied transportation-and sale-packaging"		

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 06/09. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.