

Emcephob HSL-W

(formerly Oxal HSL-W)

Horizontal barrier against capillary rising damp



PRODUCT PROPERTIES

- One-component
- Highly hydrophobizing
- Water-based
- Optimal penetration capability
- Injection into structures with a moisture level of up to $\leq 95\%$
- Low-pressure injection (e.g. Oxal Easy Inject)
- Self-cross-linking after injection

AREAS OF APPLICATION

- Subsequent horizontal barrier for borehole method against capillary rising damp
- Suitable for all mineral building materials at interior and exterior areas
- Especially suitable for brickwork with high component thicknesses

APPLICATION ADVICE

Preparative measures: Prior to injection the structure, respectively the leakage has to be inspected according to the state of the art and current technical standards and an injection concept is to be defined. In addition we recommend to determine the moisture degree and the saline concentration of the substrate prior to injection.

Substrate preparation: Prior to injection all boreholes to be filled must be cleaned with oil-free compressed air. Voids, cracks and open joints must be filled beforehand with Oxal VP I T.

Mixing ratio: Please see "Technical Data" table. Emcephob HSL-W is water-based and must be diluted with water prior to injection in a mixing ratio of 1 : 8 to 1 : 16.

Mixing: Emcephob HSL-W is added to the prepared water as per specified mixing ratio. Clean drinking water or tap water must be used for mixing. Standard mixing tools and tools for low shear mixing can be used for the dilution of Emcephob HSL-W. Mixing by hand is not permitted. Mixing takes at least 2 minutes.

Application: Injection is carried out at low pressure up to max. 8 bar using the injection pump MC-I 910 (1-component membrane pump) or the Oxal Easy Inject. Packers without flow resistance are recommended for injection.

General information: For restoration of moist and saline substrates use of the Oxal restoration rendering system is recommended. Damages at the exterior waterproofing of the building are to be repaired with the Nafuflex waterproofing system.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/dm ³	approx. 0.95	
Mixing ratio	p.b.w.		
moisture at 95°C		1 : 8	concentrate : water
moisture at 80°C		1 : 12	concentrate : water
moisture at 65°C		1 : 16	concentrate : water
Working time	hours	24	at 20°C
Application conditions	°C	≥ 5 ≤ 30	
Consumption ¹⁾	l/m	approx. 2 - 4	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) mixed material per 10 cm wall thickness.

delivery form	10 and 25 l canisters
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
packaging disposal	Make sure single-use containers are completely empty. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100004372]