

Oxal SPM

Highly sulphate resistant waterproof mortar for restoration of masonry

Product Properties

- One-component
- Impermeable to water (positive and negative pressure)
- High resistance to wear and tear
- Tricalcium aluminate-free binder, low active alkali content
- Frost resistant
- Rapid hardening also on damp substrates
- Resistant to early water exposure

Areas of Application

- Suitable for all mineral substrates, interior and exterior
- Levelling of the substrate, repair of defects and filling of mortar joints
- Forming of coverings
- Suitable for subsequent interior waterproofing (in combination with Oxal DS-HS)
- Suitable for partial and full-surface application onto moist and saline brickwork

Application Notes

Substrate preparation

The substrate must be clean and free from all loose particles, dust, oil and any other contaminants. Porous and sanding masonry joints must be scraped out at least 1 cm deep. Afterwards the masonry must be cleaned thoroughly using a steel broom/brush or oil-free compressed air. Dry or very absorbent substrates must be pre-wetted thoroughly.

Mixing

Oxal SPM is added to the prepared water under constant stirring and mixed until a homogeneous and lump-free mortar is achieved. Forced action mixers or slowly rotating double mixers must be used for mixing. Mixing by hand and preparation of partial quantities is not permitted. Mixing takes at least 3 minutes.

Mixing ratio

Please see „Technical Data“ table. For a 25 kg bag of Oxal SPM approx. 3.4 to 3.6 litres of water are

required. As with other cement-bound products the quantity of added water may vary.

Application

Oxal SPM may be applied in one or more layers. Trowel and float are advised for hand application. For better adhesion the material has to be applied as a scotchcoat in front of the first layer.

Oxal SPM is suitable for forming coverings at wall/floor connections. Prior to application of the material a notch (approx. 4 x 4 cm) must be prepared and afterwards a coving with a radius of at least 5 cm is applied with Oxal SPM.

Curing

Oxal SPM must be protected from drying out too quickly due to direct sun and wind exposure.

Technical Data for Oxal SPM

Characteristic	Unit	Value*	Comments
Largest grain size	mm	2	
Flexural tensile-/ compressive strength	N/mm ²	≥ 2 / 10 ≥ 3 / 15	after 7 days after 28 days
Coverage (dry mortar)	kg/m ² /mm	approx. 1.8	
Resistant to water after	hours	3	at + 23 °C
Application time	hours	approx. 30	at + 20 °C
Layer thickness	mm	6 25 50	min. layer thickness per work step max. layer thickness per work step max. total layer thickness
Application conditions	°C	+ 5 to + 30	air-/material-/substrate temperature
Mixing ratio	kg : l	25 : 3.4 - 3.6	Oxal SPM : water

Product Characteristics for Oxal SPM

Colour	cement grey
Delivery	25 kg bags
Storage	Can be stored in cool and dry conditions for at least 12 months in originally sealed packs.
Disposal	Packs must be emptied completely.

* All technical values are lab values and have been determined at + 23 °C and 50 % relative humidity.

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 11/17. 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.