

PRODUCT PROPERTIES

- One-component
- Tricalcium aluminate-free binder, low active alkali content
- Hand application
- Resistant to efflorescence and staining
- Open to water vapour diffusion
- Strength analogue to mortar class M 5 according to EN 998 part 2

AREAS OF APPLICATION

- Universal masonry-, render- and thin-bed mortar for natural stone
- Especially suitable for masonry with high sulphate content (e.g. gypsum-containing masonry)
- Suitable for interior and exterior use at new and old buildings
- Suitable for restoration of historical and heritage buildings

APPLICATION ADVICE

Substrate preparation: Prior to application of Oxal TKM-HS the substrate must be tested for load-bearing capability. The substrate must be clean and free from all loose particles, dust, oil and any other contaminants. Any contamination must be removed prior to application, e.g. by washing out or with suitable abrasives. The substrate must be pre-wetted thoroughly. The stone temperature must be observed.

Mixing: Oxal TKM-HS is added to the prepared water under constant stirring and mixed until a homogeneous and lump-free mortar 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 3 minutes.

Mixing ratio: Please see "Technical Data" table. Depending on the desired consistency for a 25 kg bag of Oxal TKM-HS a different mixing ratio is required. Approx. 3.4 to 3.6 litres of water are required as a masonry mortar. Approx. 3.75 to 3.9 litres of water are required as a plaster. As with other cement-bound products the quantity of added water may vary.

The outcome of a 25 kg bag mixed with water is approx. 15.5 litres of masonry mortar.

Application: Oxal TKM-HS may be applied by hand using a trowel or a float.

Curing: Oxal TKM-HS must be prevented from drying out too rapidly and protected from direct sun and wind exposure.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	4	
Mixing ratio	kg:l		
as a masonry mortar		25 : 3,4 - 3,6	powder component : water
as a plastering mortar		25 : 3,75 - 3,9	powder component : water
Working time	hours	approx. 2	at 20°C
Application conditions	°C	≥ 5 ≤ 30	air, substrate and material temperatures
Consumption	kg/m ² /mm	1.8 - 2	
Compressive strength	N/mm ²		
28 d		approx. 5	
Layer thickness	mm	30	maximum layer thickness per pass/operation
colour shade	grey		
delivery form	Sack goods @ 25 kg		
Calculated yield	approx. 15.5 l per bag		
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.		

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. [2100004393]