

PRODUCT PROPERTIES

- Open to vapour diffusion
- Easy and smooth application, one layer in two working steps
- High stability under load
- Easy machine handling with common render machines
- Surface can be felted
- Render class MG P I

AREAS OF APPLICATION

- Base render and finishing render for in- and outside
- For new buildings as well as for the refurbishment of historic or old buildings
- Creates a comfortable indoor climate
- For different kind of masonry, walls and ceilings

APPLICATION ADVICE

Substrate Preparation: If old render is present, remove it completely first. Furthermore, loose particles, dirt, coatings, slurries, dust, bitumen, etc. must be removed completely. The substrate has to be stable and free from adhesion-reducing substances. Dry or highly absorbent substrates must be pre-wetted sufficiently.

For better adhesion and reduced absorbency of the substrate, it is recommended to apply MC-Plaster VSM with 50 - 70 % area coverage onto the prepared substrate.

Mixing Procedure: The content of an Oxal Kalkputz bag is poured into approx. 7 l of clean water and stirred with a slow-moving agitator until a lump-free, workable consistency has been achieved.

Application: Oxal Kalkputz can be applied manually by hand or with machinery. It is suitable for all common render machines, and also for the open spiral pump systems. The amount of water added depends on the type of the machine and the desired working consistency. Two working steps are necessary when applying Oxal Kalkputz. First step is a prespraying of the complete substrate surface with the render itself. After 3 to 4 hours, the top layer of Oxal Kalkputz is applied. The top render thickness in total is approx. 10 mm (inside) and 15 mm (out-side).

For higher render thickness, another layer has to be created. To assure a sufficient adhesion between the layers, the fresh layer has to be combed out horizontally. The time for felting lies between 2 to 5 hours due to an additional dependence on the air- and substrate-temperature.

If a coating is desired, we recommend water vapour open materials only. No film forming substances with a $SD \leq 0.2$ m should be used.

After-treatment: During the curing phase, fresh lime render must be protected against rapid dehydration (sun, wind, high temperatures). Do not work with this product at substrate temperatures lower than 5 °C.

Further Information: Partially cured mortar must not be reused again by adding water or fresh mortar!

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	1	
Mixing ratio	kg/l	approx. 30 : 7	powder component : water
Working time	minutes	approx. 30	at 20° C and 65 % rel. humidity
Application conditions	°C	≥ 5	air and substrate temperatures
Consumption	kg/m ²	approx. 14	at 10 mm layer thickness
Flexural strength	N/mm ²	> 1	
Colour		natural white	
Delivery form		30 kg container	
Storage		Can be stored in cool and dry conditions for at least 12 months in original unopened packs.	
Packaging disposal		Make sure single-use containers are completely empty.	

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. [2300019116]