

Elegant MRP

Moisture regulating lime plaster

Product Properties

- One-component
- Contains natural hydraulic lime (NHL 3,5)
- Moisture regulating, fungal-retarding
- Very high water absorption, climate regulating at a layer thickness ≥ 2 cm
- Excellent application properties
- Non-hydrophobized, open to water vapour diffusion
- Sustainable, no sacrificial render
- Very good bonding and adhesive properties
- Effective at low layer thicknesses
- Resistant to weathering, high-water and splash water
- Non-flammable according to EN 13501-1 - building material class A1

Areas of Application

- Universal repair with one product - suitable as preparatory- and levelling render and finishing coat
- Permanent moisture regulation in interior, exterior and base areas
- Suitable for restoration of historic and heritage buildings
- Suitable for low-saline and moist brickwork with a moisture ratio of up to 95 %

Application

Substrate preparation / Pre-wetting

See leaflet "General Application Advice Elegant MRP". The salinity in the substrate is to be determined by means of a salt analysis. Prior to application of Elegant MRP the substrate must be pre-wetted thoroughly.

Mixing

Elegant MRP is added to the prepared water under constant stirring and mixed until homogeneous and lump-free. The consistency is adjusted by adding powder, extra water must not be added. Double mixers are to be used for mixing. Mixing by hand is not permitted. Mixing takes 2 minutes. Following a setting time of at least 1 minute the material is stirred again for 30 seconds.

Render build-up

Elegant MRP is suitable for use as preparatory- and levelling render and as finishing coat. The different mixing ratios must be observed. For detailed information on render build-up please request our special advice.

Application

Elegant MRP may be applied in one or more layers, either by hand or using standard fine render feed pumps including pan mixer.

Please request our special advice or the equipment planner for machine-applied render systems.

Surface finish

The surface may either be finished using its own juice, without addition of extra water, using a foam rubber, felt or hard wood float or finally abraded using a grid float.

Elegant MRP must not be finished with a sponge board under any circumstances!

Curing

Elegant MRP must be prevented from drying out too rapidly and protected from direct sun and wind exposure.

General information

Painting of finishing coats should be avoided, if possible, to not impair the high "breathability" of the render.

If a coat of paint is required, do not use any vapour sealing paints or coatings under any circumstances. Only highly diffusible, silicate-based paint coats with the following characteristics are permitted:

Diffusion resistance Sd-value: < 0.01 m.

Technical Data for Elegant MRP

Characteristic	Unit	Value*	Comments
Largest grain size	mm	1.2	
Coverage (dry mortar)			
as preparatory render	kg/m ²	8 - 10	
as levelling render	kg/m ² /mm	approx. 1.35	
as finishing coat	kg/m ² /mm	approx. 1.35	
Application time	minutes	approx. 30	at + 20 °C
Overcoating time	hours day(s)/mm	48 1	preparatory render / levelling / leveling / top render
Air void content of the fresh mortar	%	approx. 25	
Layer thickness	mm	8 20	min. layer thickness per work step max. total layer thickness
Application temperature	°C	+ 8 to + 30	air-/material-/substrate temperature
Mixing ratio			
as preparatory render	kg : l	18 - 20 : 5.4	Elegant MRP : water
as levelling render as	kg : l	18 - 20 : 5.2	Elegant MRP : water
finishing coat	kg : l	18 - 20 : 5.2	Elegant MRP : water

Product Characteristics for Elegant MRP

Colour	natural white
Delivery	20 kg bags
Storage	Can be stored in cool and dry conditions for 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 01/20. 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.