

UNILIT 65 M-h (TD13 SISKAL IDRO) - Limetics water repellent base and stone repair mortar

OUTLINE SPECIFICATION

outdoor rendering

PRODUCT DESCRIPTION

UNILIT 65 M-h is a traditional, dry premixed mineral base and stone repair mortar based on natural hydraulic lime as the binder and appropriate well-graded aggregates.

UNILIT 65 M-h is characterised by a slow but strong bonding, a high plasticity, a low content of soluble salts and an excellent water vapour permeability. The natural hydraulic lime mortar is inherently stable and designed to reduce problems of micro cracks along with premature drying out.

UNILIT 65 M-h is water repellent and resists to capillar moisture problems. The natural hydraulic lime binder, used to prepare the preblend, conforms to the European Standard EN 459-1, NHL 5 for building limes. The mortar **UNILIT 65 M-h** conforms to the European Standard UNI EN 998-1.

APPLICATION AREA

UNILIT 65 M-h is especially suited for all kinds of applications applying traditional building materials both in new construction, renovation as well as restauration. Amongst others, **UNILIT 65 M-h** can therefore be applied onto a variety of substrates (e.g. traditional brickwork and natural stone masonry, pre-existing renders and plasters, etc.).

Thanks to its natural pore structure and low content of soluble salts, **UNILIT 65 M-h** regulates the moisture content within the masonry, eliminating practically all known problems related to frost, salt damage and lime bloom, providing that excessive damp and/or salt problems are not prevelant, and that the substrate is stable.

The physical properties of **UNILIT 65 M-h** prevent the direct transfer through the layer, this while the discharge of moisture from the substrate still remains possible by evaporation.

APPLICATION

Prior to application, the substrate must be cleaned and freed of all traces of oil and grease. The substrate benefits from being slightly dampened. Saturation of the substrate is not recommended, as this will influence negatively impact upon the bond of the hydraulic lime mortar to the substrate as well as the aesthetic appearance.

The mortar is mixed with clean water at a ratio of 5 to 6 litres of water to a bag of 30 kg ready mixed natural hydraulic lime powder. Mixing is undertaken with a slow speed electric paddle for a period of 3 to 4 minutes. A creamy workable mortar is obtained, which has approximately 3 hours of open time.

Depending on the application the mortar is applied either manually or by mechanical means at the required thickness. Covering with other finishing layers must happen within the 3 to 4 days.

A drying period of 1 to 2 days must be respected.

The mortar must not be applied at temperatures below +5°C nor when a risk of frost exists. It should never be applied on to a frozen surface or in the case of thick fog. In hot, windy and dry conditions measures should be taken to prevent accelerated drying out of the freshly applied mortars. Applied mortars must be protected from frost and direct sunlight for 48 to 72 hours after their application.

REMARKS

In case of doubt regarding the substrate (e.g. treatment with an impregnating product such as silicones or comparable), consult our technical service department.

The maximum storage time is 6 months, if stored in the original, hermetically closed packing in a suitable environment. The material must be stored dry and frost free above ground. Protect the material from heat sources.

TECHNICAL DATA

Granular sizing	max. 1.4 mm
Bulk density	ca. 1550 kg/m ³
Compressive strength (EN 1015-11)	
class CS II (1.5 N/mm ² ≤ f _c ≤ 5 N/mm ²)	
Adhesive strength (EN 1015-12)	≥ 0.3 N/mm ²
Vapour diffusion resistance (μ)	12
pH	
fresh mortar paste	> 10.5
hardened mortar	~ 7
Fire resistance classification (EN 13501)	A1
Proportion water/preblend	0.18 l/kg
Mixing time	3 to 4 minutes
Consumption	15 - 18 kg/m ² /cm
Maximum layer thickness	10 mm
Packing	powder in bags of 30 kg
Colour	beige

This sheet cancel and replace all previous sheets.
Our advice and information are given in good faith and depending on the latest developments of our products. We guarantee the consistent quality of our products, but do not accept any liability concerning their application. In any case, we do recommend to consider the type of substrate and the climatic conditions before applying our products or to apply a test surface in order to analyse the suitability of the product for the given substrate.