

UNILIT 200 - 300 - 400 (ARENINO AR 20) pre-coloured finishes

OUTLINE SPECIFICATION

rendering
lime slurry

PRODUCT DESCRIPTION

UNILIT 200, 300 and 400 are traditional, dry premixed and coloured mineral finishing mortars based on natural hydraulic lime as the binder, natural pigments and appropriate well-graded aggregates.

Unilit 200, 300 and 400 are characterised by a slow but strong bonding, a high plasticity, a low content of soluble salts and an excellent water vapour permeability. These natural hydraulic lime mortars are inherently stable and designed to reduce problems of micro cracks along with premature drying out.

The natural hydraulic lime binder, used to prepare the preblend, conforms to the European Standard EN 495-1, NHL 2,5 ; 3,5 ; 5. The mortars **UNILIT 200, 300 and 400** conform to the European Standard UNI EN 998-1.

APPLICATION AREA

UNILIT 200, 300 and 400 are especially suited for the application as pre-coloured finishes, both from internally and externally, wherever traditional building materials are applied both in new construction, renovation as well as restauration. The pre-coloured finishes exist in 3 different grain sizes and 12 standard colours to achieve a wide range of possible finishes, from a smooth finish to a rough textured natural stone appearance.

Thanks to their natural pore structure and low content of soluble salts,

UNILIT 200, 300 and 400 regulate 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 prevalent, and that the substrate is stable.

TECHNICAL DATA

<u>Granular sizing</u>	
UNILIT 200	max. 4.0 mm
UNILIT 300	max. 2.0 mm
UNILIT 400	max. 0.8 mm
<u>Adhesive strength (EN 1015-12)</u>	ca. 0.60 N/mm ²
<u>Vapour diffusion resistance (μ)</u>	10
<u>pH</u>	
fresh mortar paste	> 10.5
hardened mortar	~ 7
<u>Fire resistance classification (EN 13501)</u>	A1
<u>Proportion water/preblend</u>	0.16 l/kg
<u>Mixing time</u>	3 to 5 minutes
<u>Consumption</u>	
UNILIT 200	8 - 10 kg/m ²
UNILIT 300	5 - 7 kg/m ²
UNILIT 400	4 - 5 kg/m ²
<u>Total layer thickness in 2 layers</u>	
UNILIT 200	6 - 8 mm
UNILIT 300	4 - 5 mm
UNILIT 400	2 - 3 mm
<u>Packing</u>	powder in bags of 30 kg
<u>Colour</u>	12 colours

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 4 to 5 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 5 minutes. A creamy workable mortar is obtained, which has approximately 2 hours of open time.

The finishing mortar is applied in two passes, fresh on fresh, at a total thickness following its grain size. The finish is then sponged, flattened or polished with a trowel to achieve the desired finish.

The finishing mortars **UNILIT 200, 300 and 400** may not come into contact with surfaces below ground level. A drying period of 1 to 2 days must be respected.

The mortars must not be applied at temperatures below +5°C nor when a risk of frost exists. They 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.

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.