

# UNILIT 15 P2/H (TD13/P2 IDRO) - Limetics water repellent bonding layer

## OUTLINE SPECIFICATION outdoor plastering

## PRODUCT DESCRIPTION

**UNILIT 15 P2/H** is a traditional, dry premixed multi purpose mineral bonding layer based on natural hydraulic lime as the binder and appropriate well-graded aggregates.

**UNILIT 15 P2/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 15 P2/H** is perfectly water repellent and, hence, performs perfectly where rising damp and capillary action is prevalent.

The natural hydraulic lime binder, used to prepare the preblend, conforms to the European Standard EN 495-1, NHL 5 for building limes. The mortar **UNILIT 15P2/H** conforms to the European Standard UNI EN 998-1.

## APPLICATION AREA

**UNILIT 15P2/H** is applied as a bonding bridge when the background is unable to guarantee an optimum bonding of the subsequent base and finishing coats. Therefore, **UNILIT 15P2/H** is applied in the case of unstable backgrounds such as reinforced concrete, old deteriorated masonry, old lime washes, etc.

**UNILIT 15P2/H** prevents undesirable spots from occurring within the finishing coat due to differences in material properties in the background.

**UNILIT 15P2/H** can be applied as a keying or priming coat in a maximum layer of 5 to 8 mm.

## 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, 7 litres when applied as a lime wash, 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 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 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.

## TECHNICAL DATA

Granular sizing	max. 2.0 mm
Bulk density	ca. 1600 kg/m <sup>3</sup>
Compressive strength (EN 1015-11)	> 6 N/mm <sup>2</sup>
Adhesive strength (EN 1015-12)	> 0.6 N/mm <sup>2</sup>
Vapour diffusion resistance (μ)	10
pH	
fresh mortar paste	> 10.5
hardened mortar	~ 7
Fire resistance classification (EN 13501)	A1

Proportion water/preblend	0.20 l/kg
Mixing time	3 to 5 minutes
Consumption	1.5 - 1.8 kg/m <sup>2</sup> /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.