

# UNILIT 15 P0 - P1 - P2 (TD13 P0/P1/P2) multi purpose bonding layer

## OUTLINE SPECIFICATION

flooring  
plastering  
roofing  
lime slurry

## PRODUCT DESCRIPTION

**UNILIT 15** 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** 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.

The natural hydraulic lime binder, used to prepare the preblend, conforms to the European Standard EN 459-1. The mortar **UNILIT 15** conforms to the European Standard UNI EN 998-1.

## APPLICATION AREA

**UNILIT 15** 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 15** is applied in the case of unstable backgrounds such as reinforced concrete, old deteriorated masonry, old lime washes, etc.

**UNILIT 15** prevents undesirable spots from occurring within the finishing coat due to differences in material properties in the background. **UNILIT 15** can also be applied as a preparatory treatment for completely saturated backgrounds.

**UNILIT 15/P0** can be applied as a fine equalising filler when old lime renders are removed.

**UNILIT 15/P1** can be applied either in a slurry layer as a lime wash using a brush, either as a 2 to 4 mm thin finishing layer using a trowel.

**UNILIT 15/P2** can be applied as a keying or priming coat in a maximum layer of 5 to 8 mm. Hence, **UNILIT 15/P2** is applied as a base coat for the **LIMETICS** external thermal insulation composite system with lime rendering.

## 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 (25 kg in case of **UNILIT 15/P1**). 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.

When used as a fine equalizing render the mortar is applied either manually or by mechanical means at the required thickness. When used as a lime wash the mortar is applied in two layers, fresh on fresh, with a soft brush, with particular attention paid to the filling of fissures, cracks and gaps. 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.

The use of dehumidifiers and hot air blowers is prohibited during the drying process of the mortar.

## 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

<u>Granular sizing</u>	
UNILIT 15/P0	max. 0.5 mm
UNILIT 15/P1	max. 0.8 mm
UNILIT 15/P2	max. 2.0 mm
<u>Bulk density</u>	ca. 1600 kg/m <sup>3</sup>
<u>Compressive strength (EN 1015-11)</u>	6 N/mm <sup>2</sup> after 90 days
<u>Adhesive strength (EN 1015-12)</u>	> 0.6 N/mm <sup>2</sup>
<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>	0.20 l/kg
<u>Mixing time</u>	3 to 5 minutes
<u>Consumption</u>	
rendering	1.5 - 1.8 kg/m <sup>2</sup> /mm
lime wash	2 - 2.5 kg/m <sup>2</sup>
<u>Packing powder in bags of 25 kg</u>	(15/P1)
<u>powder in bags of 30 kg (15/P0 &amp; 15/P2)</u>	
<u>Colour</u>	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.