

# UNILIT 47 (DOMUS PAN) bonding layer

## OUTLINE SPECIFICATION plastering

## PRODUCT DESCRIPTION

**UNILIT 47** is an adhesive material, developed for 'bio-ecological' engineering. **UNILIT 47** is a blend of natural hydraulic lime, and selected aggregates with a maximal grain size of 0.5 mm. The product is characterized by a high vapour diffusion capacity, elasticity and bonding strength. 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 47** conforms to the European Standard UNI EN 998-1.

## APPLICATION AREA

**UNILIT 47** is developed to glue thermal insulation slabs. The product can also be used as a bonding layer on top of those panels, on which a compatible finish can be applied, like **UNILIT 45, 65F, CORISTIL,...** It can also be applied on gypsum plaster boards, or a surface treated with synthetic paints.

## APPLICATION

The product can either be mixed manually or mechanically with a slow speed electric paddle for a period of 3 to 4 minutes. Clean water has to be added until a smooth mixture is obtained, which has approximately 2 hours of open time.

Gluing : apply an adequate amount of **UNILIT 47** on the borders of the tiles, at 4 or 5 spots. The total consumption of the mortar should be 4 to 5 kg/m<sup>2</sup>.

Bonding layer : spread out **UNILIT 47** on the fixed and dry slabs or boards. Eventually a fibreglass armament can be inserted, on which a new layer of **UNILIT 47** can be applied, to obtain a homogeneous layer.

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 mortar. The applied mortar must be protected from frost and direct sunlight for 48 to 72 hours after its 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	0 to 0.5 mm
Vapour diffusion resistance (μ)	12
pH	> 10.5
Elasticity	4500 N/mm <sup>2</sup>
Density of the mortar	1550 kg/m <sup>3</sup>
Fire resistance classification (EN 13501)	A1
Proportion water/preblend	0.2 l/kg
Mixing time	3 to 4 minutes
Consumption	4 - 5 kg/m <sup>2</sup>
Total layer thickness in 2 layers	3 to 4 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.