

UNILIT 35F (TD13 BRIK) pointing mortar

OUTLINE SPECIFICATION masonry and pointing

PRODUCT DESCRIPTION

UNILIT 35F is a traditional, dry premixed mineral pointing mortar based on natural hydraulic lime as the binder and appropriate well-graded aggregates.

UNILIT 35F 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 495-1, NHL 5 for building limes. The mortar **UNILIT 35F** conforms to the European Standard UNI EN 998-1.

APPLICATION AREA

UNILIT 35F is a traditional pointing mortar, which has been applied for centuries in our cultural built heritage. **UNILIT 35F** is, therefore, especially suited for all kinds of applications applying traditional building materials both in new construction, renovation as well as restauration.

Due to its physical properties, **UNILIT 35F** is especially suited for the application of cut to shape joints.

Thanks to its natural pore structure and low content of soluble salts, **UNILIT 35F** regulates the moisture content within the masonry, eliminating practically all known problems related to humidity stains, frost, salt damage and lime bloom, providing that excessive damp and/or salt problems are not prevalent.

APPLICATION

Crumbling, sanding and/or detached lime joints, as well as cement joints are removed entirely without damaging the bricks and stones. The joints are cleared from dust over a depth of at least 1.5 times the joint width. 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 6 to 7 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 2 hours of open time.

The mortar is applied with a pointing iron and pressed firmly within the joint. After about 15 minutes the joint can be cut to shape. At the end the masonry surface is cleaned with a soft brush in order to remove all excess mortar remains. 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. 0.8 mm
Bulk density	1500 - 1600 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)	> 0.1 N/mm ²
Modulus of elasticity	ca. 6000 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	0.22 l/kg
Mixing time	3 to 4 minutes
Consumption ¹⁾	6 - 12 kg/m ²
Maximum layer thickness	15 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.