

## TECHNICAL DATA SHEET

# KEMASAN 530 V

Cement-free pre-treatment mortar based on NHL



### PRODUCT DESCRIPTION

Cement-free pre-treatment mortar based on NHL for manual and machine application inside and out. Characterized particularly by high diffusiveness for masonry that is saturated with moisture.

### Field of use

Natural hydraulic lime (NHL 3.5 according to EN 459-1), hydrated lime, lime sand, minimal additives of cellulose for easier application. Free of Portland cement, organic binding agents and hydrophobic additives.

### Product properties

Pre-treatment of mineral render base, such as solid brick, stone wall, cement stone, concrete and hollow brick as adhesion promoter and absorption leveler, especially for the subsequent Kemas 535 M. In outside area suitable only for solid brick or natural stone walls, in interiors also on highly porous masonry (such as porous concrete, plane bricks, etc.).

- Non-slip and rough surface
- Absorption-balancing
- Adhesion promoter
- Free of hy-drophobic additives

### PRODUCT DATA

#### Basic information

Appearance	Grey- brown powder
Packing	25 kg in plastinatron bag
Storage and expiration date	Can be stored dry in foil on pallets for 6 months in original, non - open and undamaged packaging. Date of production is printed on the bag

#### Technical data

Maximum particle size:	4 mm	
Dry bulk density:	approx. 1150 kg/m <sup>3</sup>	
Water requirement:	approx. 11 liters/25 kg bag	
Material consumption:	approx. 6 kg/m <sup>2</sup> (full covering)	
Compressive strength (28d)	approx. 2.5 N/mm <sup>2</sup>	
Flexural strength (28d):	approx. 1.0 N/mm <sup>2</sup>	
Compressive strength (180d):	approx. 3.5 N/mm <sup>2</sup>	
Flexural strength (180d):	approx. 2.0 N/mm <sup>2</sup>	EN 1015-11
Classification	GP/CSI/W0	EN 998-1
Fire behavior	A1	EN 13501-1
E-module		

### INSTRUCTIONS FOR USE

#### Consumption

Approx. 6 kg/m<sup>2</sup> (full covering)

#### Base

Basic testing of the plaster has to take place in accordance with the guidelines of ÖNORM B 3346. The substrate must be dry, clean, frost-free, dustless, not water-resistant, free of efflorescence, able to bear weight, and free of loose parts.

Base preparation	Electrical and installation slots as well as other weak points are to be closed in a timely manner beforehand with a suitable lime/cement mortar. Absorbent substrates are to be well pre-wetted before application. Make sure there is no water film build-up on the wall surface.
Mix ratio	Approx. 11 liters of Water/25 kg bag
Mix time	For manual processing mix in a gravity or a continuous mixer with water (only use pure water - drinking water!) (mixing time 3-5 min.) and apply with the trowel.
Mix tool	It can be processed with all commonly available plastering machines.
Installation	Before commissioning the plastering machine, it is important to prefill the mortar hose with lime slurry or to start with KEMASAN 535 M. After every wash-ing procedure and recommissioning, the slurry process is to be repeated as de-scribed previously. The KEMASAN 530 V is applied as a full covering manually or by machine. In any case, the fresh mortar must be processed within ½ hour!! Minimum standing time before application of KEMASAN 530 M : 3 days
Tool	It can be applied manually with trowel or commonly available plastering machines.
Cleaning of tool	With clean water.
Usage time	Approx. 30 min.

## LIMITATIONS

Base temperature	+ 5 °C + 30 °C
Air temperature	+ 5 °C + 30 °C
Material temperature	+ 5 °C + 30 °C
Warnings	<ul style="list-style-type: none"> <li>Interiors: Lime plasters require fresh air to set. In order to ensure optimum strength development, it is especially important to ensure sufficient ventilation.</li> <li>Outside: The plaster is to be kept moist in case of wind and high temperatures, while at low temperatures sufficient drying/standing time is to be ensured (poss. risk of frost!) Color fluctuations are possible in the product due to the natural raw materials.</li> </ul>