

# KALKBIMS NHL

## TECHNICAL DATA SHEET

### Composition

KALKBIMS NHL is a masonry block according to EN 771-3 and is made exclusively from high-quality natural materials: pumice and lime.

The product is created by mixing natural pumice and lime with the addition of water.

It is produced with minimal primary energy input and dries by ambient air.

KALKBIMS NHL is cement-free and recyclable.

### Binder

Naturally hydraulic lime according to EN 459-1, derived from specially selected shell limestone.

### Properties

- Historical masonry block, cement-free
- Vapour-permeable and capillary-active
- Lightweight and thermally insulating
- Low modulus of elasticity
- Moisture-regulating and water-resistant
- Non-combustible

### Application

For use in half-timbered masonry construction, ecological residential and housing construction, renovation and restoration.

KALKBIMS NHL can be used for single-shell masonry and exposed timber frames in accordance with §105 of the German Building Energy Act (GEG).

KALKBIMS NHL has a compressive strength class of 2.

### Processing

KALKBIMS NHL is laid using mortar based on naturally hydraulic lime (NHL).

### Technical Data

- Bulk density: 0.6 kg/dm<sup>3</sup>
- Thermal conductivity (lambda): 0.14 W/mK
- Reaction to fire: A1
- Load direction: perpendicular to bed joint
- Water absorption/discharge: capillary action
- Water vapour permeability: vapour diffusion coefficient 5/10

### Delivery

KALKBIMS NHL is available in the following formats:

NF; 1.25 NF; 2 NF; 2 DF; 7 DF; 8 DF; 12 DF

Packaging: Wooden reusable pallets (96 cm x 96 cm, pallet truck compatible)

### Quality-Controlled Production

The technical monitoring of KALKBIMS NHL products is carried out by the Materials Testing and Research Institute in Neuwied.

