

NHL-NS

Natural stone slurry

NHL lime-based natural stone slurry

- colour: light beige

no picture

APPLICATIONS

- coating for permanent protection of natural stone and brick
- particularly suitable for tuff and bricks

PROPERTIES

- mineral
- Suitable for temperature changes
- water-vapour permeable
- reduces the water absorbency of the masonry

COMPOSITION

- natural hydraulic lime NHL 5 according to DIN EN 459-1
- selected fine powdered rock and aggregates

SUBSTRATE

Suitable substrates	■ Natural stones, particularly tuff and bricks
Properties/tests	■ The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
Pretreatment	■ Highly absorbent substrates should be wetted in good time, days before if need be.

PROCESSING

Temperature	<ul style="list-style-type: none">■ Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.
Mixing / Preparation / Processing	<ul style="list-style-type: none">■ Mix with clean tap water to a slurry consistency. To do so, put some water in a clean mixing container, sprinkle in dry mortar, blend the mixture homogeneously and without lumps by hand or with an agitator, allow to rest briefly and adjust to a consistency ready for processing by adding more water if necessary.■ Do not mix with other products and/or other substances.■ The fresh mortar must be kept in the same consistency at all times during processing by stirring often.
Processing	<ul style="list-style-type: none">■ Apply fresh mortar as a slurry with a brush (wall brush) to the prepared substrate under a certain amount of contact pressure.■ Application thickness: approx. 1-3 mm■ A second and third layer are applied after a waiting time of one day in each case. The total thickness of all three layers must not exceed 3 mm altogether.
Processing / Working time	<ul style="list-style-type: none">■ Approximately 1 hour■ The stated times apply for a temperature of +20°C and relative humidity of 65%.■ Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.
Drying / Hardening	<ul style="list-style-type: none">■ Protect the fresh mortar from drying out too quickly and from unfavourable weather conditions such as frost, draughts, direct sunlight and direct exposure to driving rain if necessary by hanging with foil.■ Rest time: at least 1 day per layer
Cleaning the tools	<ul style="list-style-type: none">■ Clean all tools and equipment with water immediately after use.

PACKAGING

- 30 kg/sack

STORAGE

- Store sacks appropriately and in dry conditions on pallets.

QUANTITY REQUIRED / YIELD

- yield: app. 23 l fresh mortar per 30 kg/sack

TECHNICAL DATA

Binder base	NHL 5 natural hydraulic lime
Grain	0 – 1,2 mm, 0 – 2,5 mm
Processing temperature	+5°C to +30°C
Processing time	approx. 1 hour
Colour	beige-white

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

SAFETY AND DISPOSAL INSTRUCTIONS

Safety

- This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.
- Further information can be found in the safety data sheet at www.tubag.de.

Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.
- Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.