NHL Levell Historic

Undercoat render based on NHL 5

Colour	Availability	
	Quantity per pallet	42
	Size / Quantity	**25 kg**
	Type of container	PE bag
	Container code	25
	Art. no.	
grey	0491	■

Application rate

Approx. 1.9 kg/m²/mm

Apply to a large enough trial area to determine the precise amount required.

Range of use

- Undercoat render for repair, renovation and restoration of old building facades, historical buildings and architectural monuments
- Levelling out substrates

Property profile

- Cement-free
- Low-stress hardening behaviour
- Low modulus of elasticity
- Moisture- and climate-regulating

Characteristic data of the product

Layer thickness	Single layer 10 - 20 mm
Water requirement	Approx. 12.7%, corresponds to 3.2 l / 25 kg
Reaction to fire	Class A1
Compressive strength (28 d)	Approx. 5.0 N/mm²
Flexural tensile strength (28 days)	1.5 N/mm²
Maximum grain size	Approx. 3.15 mm

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Possible system products

› NHL Top Historic (0490)

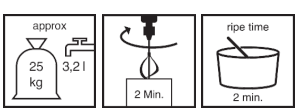
Preparation

- Substrate requirements
  Clean, dust-free and capable of supporting a load.

- Substrate preparation
  Substrate: absorbent with low strength
  Apply product as a bonding layer > 50% opaque.

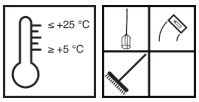
  Substrate: weakly absorbent
  Apply product as a scratch coat (contact layer).

Production of the mixture



- Mixing
  Pour water into a clean container and add dry mortar.
  Mix thoroughly and uniformly with a mixer for approx. 2 minutes until the proper consistency for working has been achieved.
  Maturing time approx. 2 minutes
  Mix for 30 seconds.

Directions



- Conditions for use
  Low temperatures increase, while high temperatures decrease the working and setting time.

- Working time (+20 °C)
  Approx. 120 minutes

One-layer
Apply the product using a suitable tool.
Single layer thickness: 10 - 20 mm

Two-layer
Single layer thickness: 10 - 20 mm
Roughen the first layer with a render comb.
Apply second layer once sufficiently dry.
Level off surface with a long float.
Use a render comb to roughen horizontally in preparation for the next layer of render after setting.

Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.
On critical substrates (highly uneven, fissured, mixed masonry) we recommend incorporating the reinforcement fabric in the upper third of the restoration render.
Apply additional diagonal reinforcement to the edges of building openings.
Protect wet mortar surfaces against frost, rain and drying out too quickly for at least 4 days.
Hairline/shrinkage cracks are safe and are not cause for complaint as they do not impair the properties of the mortar.

Notes

The mixing water must be of drinking water quality.
May contain traces of pyrite (iron sulphide).
Do not use on gypsum-based substrates.
The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.

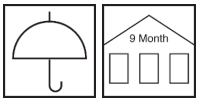
Tools / Cleaning

Mixing tool, fine plastering trowel, smoothing trowel, broom
Clean tools with water while the material is still fresh.

Remmers tools

- Mischgefäß (4030)
- Smoothing Trowel (4004)
- Aufziehplatte (4436)

Storage / Shelf life



If stored dry in closed containers, the product will keep for approximately 9 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.