



## NHL Levell Historic

Undercoat render based on NHL 5

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

### Application rate

Approx. 1.9 kg/m<sup>2</sup>/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/mm <sup>2</sup>
Flexural tensile strength (28 days)	1.5 N/mm <sup>2</sup>
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

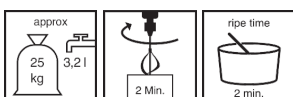
- [NHL Top Historic \(0490\)](#)

### 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).

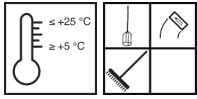
### Production of the mixture

- 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



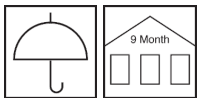
Mixing tool, fine plastering trowel, smoothing trowel, broom  
Clean tools with water while the material is still fresh.

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.

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.