

Salt buffering plaster

Application

- Salt buffering reversible plaster based on natural hydraulic lime plaster and hydraulic binders
- Suitable to coat walls with salt deposits
- Used as anti-condensation plaster
- Suitable to coat walls treated against rising damp
- Suitable for indoor and outdoor use
- Suitable for restauration and new construction

Properties

- Because of its open structure, the plaster acts as a salt buffer.
- It inhibits the development of any form of condensation.
- Eco compatible.
- Reversible.
- 2 in 1: ground layer and finishing layer in a single solution.

Directions

Preparation

- Remove the existing plaster up to minimum 50 cm above the highest visible line of the rising damp.
- Inject, if necessary, against rising damp. This stops further ingress of moisture and salts and improves the life span of the plaster.
- Remove all loose parts, dust, brittle parts, ... which could prevent even adhesion to the surface.
- Fix and fill cavities, bad joints and ruptures.
- In case of uneven walls: level the surface if necessary.
- Moisten the wall intensive (for example with a garden hose) for at least 5 minutes before applying the first layer.

Work method

- **Calisan NHL** is applied in 2 layers.
- Depending on the state of the substrate and/or conditions on site, a reinforcement mesh (10x10) in the Calisan NHL base layer may be required. Please consult your technical advisor.

First layer

- Consists of **Calisan NHL** mixed with +/- 6 ltr of water.
- Mix this with a whip-fitted drill for no longer than 3 – 4 minutes until a smooth mixture with no lumps is obtained.
- Use the throwing technique and a trowel to apply this mortar slurry.
- Cover the wall completely with a layer of minimum 5 mm thickness.
- Don't smooth out the surface, instead make sure it's rough.
- The product must be used within 30 minutes after mixing.
- This first layer must dry out for a least 1 day.

Second layer

- Consist of **Calisan NHL** mixed with +/- 5 ltr of water.
- Mix this with a whip-fitted drill for no longer than 3 – 4 minutes until a smooth mixture with no lumps is obtained.
- Apply a sufficiently thick layer (minimum 2 cm) of this stiffer mortar using the throwing technique and a trowel.
- Use a metal straightedge to even out this layer. In practice, (removable) vertical guide rails can be applied against the wall.
- The product must be used within 30 minutes after mixing.
- If the thickness exceeds 3 cm, apply a number of layers waiting at least 1 day between one application and another.
- Ensure that the plaster is not pressed or rubbed smooth! The plaster needs to remain airy for it to properly function. Pressing the mortar reduces the amount of cavities and the plaster's salt-buffering capacity.
- Remark: The product is also machine-applicable. Make sure the product is airy when applied. Contact us for technical support.

Finishing

- The end result is a relatively coarse mortar.
- This can be smoothly finished with the Califinish, a white, lime-bonded plaster. A waiting time of 14 days needs to be observed between the **Calisan NHL** and the Califinish.
- This can then be finished with very vapor-open and CO₂-permeable paints, such as the Kalkverf Calciana or Tensiocoat.

Technical characteristics

| | |
|--------------------------------------|---|
| Color | beige, brown |
| Maximum aggregate diameter | 1,2 mm |
| Thermal conductivity | 0,4 W/mK |
| Reaction to fire | A1 |
| Mixture bulk density | 1,25 – 1,35 kg/ltr |
| Air content | > 28% |
| Water vapour permeability | < 15 |
| Compressive strength (after 28 days) | < 5 N/mm ² |
| Bond strength | > 0,1 N/mm ² |
| Water absorption | > 0,3 kg/m ² .h ^{0,5} |

Quantity to use

| | |
|-------------------------------|---|
| First layer | +/- 5,0 – 5,5 kg/m ² (at 0,5 cm thickness) depending of the roughness of the |
| Second layer | +/- 16,0 – 17,0 kg/m ² (at 1,5 cm layer thickness) |
| Minimum total layer thickness | 2 cm |

Packaging

20 kg

Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

Transport and storage

Store the product and its packaging dry and protect against moisture.

Storage life

1 year after manufacturing in the original closed packaging.

Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.