

SIRIOBETON IDR NHL

Mortar for restoration plaster for the repair of masonry subject to rising damp due to capillary action



[info. **PRECAUTIONS**]

Work only with clean water that is not excessively cold and clean containers. Use in accordance with the instructions on the technical data sheet and safety data sheet. Wear full protective clothing. Consult the toxicological data sheet.

[info. **CONSUMPTION**]

Approximately 12 kg/m² of surface area per 1 cm of thickness.

[info. **WATER DOSAGE**]

Approximately 5.25 L per 25 kg bag (21%).

[info. **CLASSIFICATION**]

According to UNI EN 998-1:2010 standard, mortar for restoration plaster (R).

[info. **PACKAGING**]

25 kg bag.

[info. **TECHNICAL SERVICE**]

Detailed technical instructions on the use of the products can be requested from your local representative or directly from PROIND srl.

SIRIOBETON IDR NHL is a **mortar for renovation plastering, applied manually, for the restoration of masonry subject to rising damp due to capillary action**. It is a macroporous premixed product based on natural hydraulic lime NHL 3.5, pozzolanic binders, selected and dried spheroidal silica sands and the addition of special aerating additives.

SIRIOBETON IDR NHL is breathable, anti-condensation and water-repellent. Suitable for old and new masonry made of stone, brick, tuff and mixed materials.

Instructions for use

During processing and drying, the ambient and substrate temperature must be between +5 °C and +35 °C. During drying and curing, protect from excessive frost and drought, as well as from washout and extreme weather events.

SIRIOBETON IDR NHL is mixed and applied with a trowel: apply a thickness of at least 2 cm. If it is necessary to apply greater thicknesses, wait for the first layer to set and then apply a second layer. Do not float or smooth the surface so as not to occlude the necessary porosity. Allow the plaster to cure completely (minimum 21 days) before applying any finish/paint. Use only breathable paints such as lime paint, siloxane paint or acrylic-siloxane paint. Do not use acrylic, quartz or elastomeric paints.

Preparazione del supporto

The substrate must be dry, solid, free of foreign materials (dust, oil, soot, algae, efflorescence, release agents, etc.) and must have a tensile strength of at least 0.25 N/mm². Remove any films of release agents; crumbly surfaces or those prone to chalking must be consolidated with a fixative or removed and restored.

The masonry to be restored must be exposed, removing all traces of the old plaster, to a height of at least +50 cm above the maximum height reached by the damp (never apply at heights below 1 m). In the most compromised cases, wash the substrate thoroughly with drinking water to remove any salts present. If the consistency of the masonry allows it, clean with a pressure washer. Wait for the excess water to evaporate or remove it with rags or a jet of air. Only when the substrate is dry, begin applying SIRIOBETON IDR NHL in a 'leopard spot' pattern to create a first bonding layer. Allow to dry superficially, then begin applying SIRIOBETON IDR NHL thickly (maximum 2 cm for each single coat).