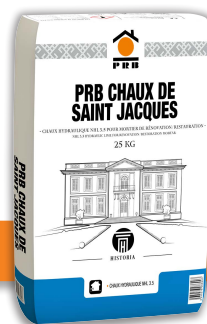


# PRB CHAUX DE SAINT JACQUES

NHL 3.5 HYDRAULIC LIME FOR RENOVATION/RESTORATION MORTAR



PRB CHAUX DE SAINT JACQUES  
BINDERS: LIME BINDERS

## The **+** s of PRB CHAUX DE SAINT JACQUES

- +** 100% natural hydraulic lime
- +** Strong adhesion to substrates, makes mortars supple and greasy, compatible with all types of stone
- +** Sanitizing and disinfecting properties, lets substrates breathe
- +** Binder for hourdage and/or pointing mortars
- +** High luminance index, brings out the natural colours of materials



Category: NHL 3.5

### PACKAGING

– Paper bag containing 25 kg.



### STORAGE LIFE:

12 months.

### CONSUMPTION/USE

Consumption varies depending on the type of work to be carried out.

COLOUR: White.

## AREA OF USE

### USES

- Interior & exterior walls
- Rendering on old masonry.
- Roofing work: ridges and verges.
- Laying and pointing stones or bricks.

### REFERENCE DOCUMENTS:

- French DTU Standards 20.1, 23.1 & 26.1 (P1-1, P1-2 & P2).
- TDS: CL 90 SLAKED LIME.

### SUITABLE SUBSTRATES

- Old masonry.
- Breeze block or brickwork (DTU 20.1) with standard or narrow joints.
- Cast-in-place concretes (DTU 23.1).
- Cement undercoats and mixes (DTU 26.1).
- For all other substrates: please contact the PRB technical department.

### PROHIBITED SUBSTRATES

- All gypsum-based substrates (plaster).
- Paint & thick paint coatings.
- Bare wood.
- Unprotected horizontal or sloping surfaces.

### COMPATIBLE COATINGS & COVERINGS

- Lime whitewash and lime wash made with CL 90 SLAKED LIME.
- All interior and exterior paints - subject to testing and compatibility.

- Decorative and ornamental paints - type D2, D3...

### APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, hot or damp surfaces. Do not apply to surfaces in full sunlight or during heavy rain and strong winds.
- Special conditions: please refer to the "Selection Guide".

## TECHNICAL CHARACTERISTICS

### INGREDIENTS

- NHL 3.5 hydraulic lime

### CHARACTERISTICS

- Setting time: after around 10 hours.

## UTILISATION

### SUBSTRATE PREPARATION

- Substrates must be clean (free from any traces of organic matter, residues or other substances that may interfere with adhesion), dust-free, stable and any large chips, cracks or dents must be filled.
- Existing renders or coatings should be stripped down to the substrate and any joints hollowed out to a depth of 2 to 4 cm.
- Carry out minor repairs, filling holes and cracks with lime mortar and small stones and bricks.

### MORTAR PREPARATION

- **The sand** must be clean and preferably dry, with a grain size between 0/3 and 0/5 for roughcast and rendering mortars, and between 0/2 and 0/3 for finishing mortars. The grain size should not exceed 6mm, with 10 to 15% fine fillers (clay), which acts as a water retention and water repellent agent and also gives the render its plastic texture. Aggregates such as crushed bricks, crushed glass, shells or aggregates of different colours and textures can also be added. For 25 kg of prepared render, the addition of aggregate should be limited to 5%, up to a maximum of 7%.

Remember: the finer the sand, the greater the risk of crazing.

- **The water** used must be clean water.
- **Pigments** (optional): Oxide should be limited to a maximum of 10% of the weight of the dry binder, i.e. 2.5 kg for a 25 kg bag of lime. Natural earth should be limited to a maximum of 25% of the weight of the dry binder, i.e. 6.25 kg for a 25 kg bag of lime.
- **Mixing:** Start by mixing the lime with the sand in a large bucket or tub, on a mixing board or in a concrete mixer, then gradually add the water to obtain an even mortar mix of the required consistency.

**The following dosages have been calculated for a 25 kg bag of NHL 3.5 hydraulic lime. Unit of measurement: A standard 10-litre masonry bucket.**

### PREPARING A MASONRY MORTAR

- **Makes approximately 75 to 82 litres of masonry mortar with a dry sand content of 375 kg/m<sup>3</sup>.**

Dry sand: 0/3 to 0/5	8.1 to 8.7 buckets
NHL 3.5 Lime Binder	1 x 25 kg bag
Clean water	15 to 16 litres

### PREPARING A POINTING MORTAR

- **Makes approximately 60 to 68 litres of pointing mortar with a dry sand content of 430 kg/m<sup>3</sup>.**

Dry sand: 0/2 to 0/3	6.8 to 7.5 buckets
NHL 3.5 Lime Binder	1 x 25 kg bag
Clean water	13 to 14.5 litres

### PREPARING A RENDERING MORTAR

- **Makes approximately 87 to 94 litres of rendering mortar with a dry sand content of 300 kg/m<sup>3</sup>.**

Dry sand: 0/2 to 0/3	10 buckets
NHL 3.5 Lime Binder	1 x 25 kg bag
Clean water	13 to 14.5 litres

### MANUAL APPLICATION

**For rendering on old stone, rubble stone, solid bricks or new masonry substrates (breeze blocks, bricks, etc.)**

- **ROUGHCASTING:** Apply a roughcast mortar with a trowel, scraping flush with the stone. The mortar must stick to the entire substrate and not be too thick (3 to 5 mm); it should also be rough and uneven - this creates an adhesive surface between the substrate and the render. Leave to dry for approximately 48 hours.

### RENDERING:

Apply the render, smooth and level to compensate for any unevenness in the substrate (15 to 20 mm thick), and scrape the surface to create a rough surface for the finish to adhere to in the case of a render finish, or smooth the surface with a float in the case of a painted or whitewashed finish. Before applying the finish, wait until the render is dry and even in colour, i.e. 7 to 15 days depending on the weather conditions.

### FINISHES

- **Render:** Apply 5 to 8 mm of render for a sponged float finish and 8 to 10 mm for a scraped finish. Other finishes can be achieved, such as rough scraped, brushed, crinkled, circular float finish, rainwashed, etc.

- **Other finishes:** Lime whitewash, lime wash as well as PRB COLOR MINERAL and PRB COLOR SILOXANE paints... When painting, the render must be left to dry for at least of 21 days.

### PRECAUTIONS FOR USE

- Contains lime.
- Please read the packaging safety label and safety data sheet before use.

Technical data sheet - 31 July 2024

This technical data sheet is provided for the sole purpose of informing our customers about the characteristics of the product. Its content is based on up-to-date information. Before using the product, the user is advised to check whether this sheet has been replaced by a more recent version. The warranty conditions for our products, processes and systems are specified at the beginning of this catalogue. You can also find them, along with all regulatory and safety documents, online at [www.prb.fr](http://www.prb.fr).

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