

# Tradilys Protect

Macroporous dehumidifying natural hydraulic lime NHL  
3,5 mortar for remediating damp walls. Natural  
composition, highly breathable



## + Products

- Natural hydraulic lime mortar without cement
- Formulation adapted to the treatment of salts
- Very low capillary absorption allowing rapid evaporation of humidity
- Reduced consumption (coverage from 50 cm above humidity)
- Mechanical resistance adapted to heritage construction

**Tradilys Protect** is a natural hydraulic lime mortar intended for the rehabilitation of saltpetre and damp walls.

## Description

- Traditional mortar for the rehabilitation of saltpetre and damp walls.
- It allows the realization of renders and bodies of plaster in the treatment of capillary rise and different salts (chlorides, nitrates and sulphates)
- Its specific adjuvantation gives it a flexibility facilitating its implementation
- Complies with DTU 26.1

## Properties

- Soft and creamy mortar suitable for machine wash and manual application
- Adhesion to substrates optimized by the presence of lime

## Associated products

- It can be combined with the following finishing products: Chaulys Color, Chaulys Blanche, all NHL products and lime mortar Cent%, Rénocolor, Tonachino and Centri Storicci.



## Uses

- Treatment of interior and exterior walls, Tradilys Protect is intended to reduce capillary rise and salt migration.
- Manual and mechanical application - (DTU 26.1)

## Composition

- Natural hydraulic lime
- Pozzolanic fillers
- Mineral fillers
- Specific addition

## Implementation

- Moisten the substrates before application
- Make a rough coat with an average thickness of 0.5 cm (minimum 24 hours drying time)
- Apply a layer of 20 mm to 40 mm maximum of Tradilys Protect
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- **Water dosage:** from 4.7 to 5.3 L of water for a 25 kg bag
- **Mixing time:** from 5 to 7 min
- **Consumption:** 12 kg/m<sup>2</sup> per cm of thickness

## Acceptable media

- All substrates mentioned in the NF DTU 26-1 standard: (Masonry of bricks, rubble, clinker, stones jointed with a mortar of low resistance).

## Media excluded

- Immersed masonry
- Gypsum (plaster)

## Technical assistance

- At the start of the construction site
- Trainings

## Performance

- Mortar resistance to compression: CS II

## Performance table

|  |  |
|--|--|
| Appearance   | Clear beige powder                       |
| Occluded air UNE-EN 1015-7                             | > 20%                                    |
| Traction resistance UNE-EN 1015-12                     | ≥0,1 MPa                                 |
| Failure type   | B  |
| Diffusion coefficient of water vapour                  | μ≤6                                      |
| Capillarity 24 hours UNE-EN 1015-18                    | ≥0.3 Kg/m <sup>2</sup>                   |
| Thermal conductivity coefficient UNE-EN 1745           | 0,45 W/mK                                |
| Resistance to sulphates (90 d. solución 50 gr/l SO3Mg) | Without loss                             |
| Classification complies with UNE -EN 998-1             | R CSII                                   |
| Performance  | 12 kg/m <sup>2</sup> per cm of thickness |
| Mixing water   | 20%±1 by weight                          |

2 Castans district  
65370 Izaourt  
Tel. 05 62 99 33 99

## Reference documents

- DTU 26.1
- CE standard EN 998-1 Type R Class CS II

## Material

- Plaster machine
- Cement mixer
- Basic Mixer

## Conditioning

25 kg bag, 48 bags per pallet or 1.2 T