

## **TRADILYS PROTECT IMPLEMENTATION GUIDE**

### **Dehumidifying Render for Damp and Salt-Laden Walls**

#### **Application**

- Salt-buffering render based on natural hydraulic lime.
- Renovation and restoration of moisture- and salt-damaged walls.
- Suitable as a render on walls treated for rising damp.
- Can be used both indoors and outdoors.
- Suitable for both restoration and new construction.

#### **Properties**

- Cement-free.
- Acts as a salt buffer due to its open structure.
- Prevents condensation formation.
- Environmentally friendly building material.
- Reversible.
- 2-in-1 product: base coat and finish coat with the same material.

#### **Instructions for Use**

##### **Preparation**

- Remove the existing plaster to at least 50 cm above the visibly damp and salt-laden area.
- If necessary, inject a damp-proof course to prevent further moisture and salt infiltration and improve render durability.
- Remove all loose parts, dust, plaster residues, etc., that could impair adhesion.
- Repair and fill cavities, faulty joints, and cracks.
- For highly uneven walls, level beforehand if necessary.
- Thoroughly moisten the wall (e.g., with a garden hose) about 5 minutes before applying the first coat.

##### **Application**

- Tradilys Protect is applied in 2 coats.

##### **First Coat**

- Composed of Tradilys Protect mixed with approx. 5.0 to 5.3 litres of water per bag.
- Mix in a container using a mechanical mixer for at least 5 to 7 minutes until a lump-free blend is achieved.
- Apply the soft mortar by hurling it onto the wall using a trowel throw technique.
- Completely cover the wall with a layer at least 5 mm thick.
- Do not smooth; leave the surface rough.
- The product must be used within 30 minutes.
- Allow this first coat to dry for one day.

## Second Coat

- Composed of Tradilys Protect mixed with approx. 4.7 to 5.0 litres of water per bag.
- Mix in a container using a mechanical mixer (e.g., with a drill) for at least 5–7 minutes until smooth and lump-free.
- Apply the stiffer mortar using the trowel-throw technique in a sufficiently thick layer (minimum 2 cm).
- Level the mortar with a straightedge. In practice, vertical guide rails (removable) can be used on the wall.
- The product must be applied within 30 minutes.
- If the required thickness exceeds 3 cm, apply in multiple coats, allowing one day between each layer.
- **Important:** do not press or rub the render! Proper performance depends on the aerated structure of the mortar. Pressing reduces the number of cavities available to absorb salts.
- **Note:** the product can also be applied mechanically. Ensure it is also applied in an aerated manner. Contact us for technical support on this.

## Finishing

- The final result is a relatively coarse mortar.
- It can be refined using finer lime-based products such as *Cent% Finition* or for example. A waiting time of 14 days is required.

## Important Notes

- The product is alkaline and may irritate eyes and skin. Gloves, a dust mask, and goggles are strongly recommended.
- Work between +8°C and +30°C.
- Use clean tools and clean water.
- Always maintain consistent mixing times and water ratios on site.
- Avoid rapid drying due to sun or wind; if necessary, cover with a tarp or fabric.
- Do not apply to earthen walls (e.g., clay), underground masonry, wood, or plaster.

## Technical Characteristics

- Appearance: light beige powder
- Air content: > 20%
- Wet mortar density: 1.5 kg/l
- Hardened mortar density: 1.4 kg/l
- Compressive strength: CSII
- Water vapor diffusion coefficient  $\mu$ : < 6
- 24h water absorption:  $\geq 0.3 \text{ kg/m}^2$  (W0 class)
- Thermal conductivity: 0.45 W/mK

## Coverage

12 kg/m<sup>2</sup> per cm of thickness

## Packaging

25 kg

## **Safety Information – Transport – Handling and Storage – Waste**

Refer to the latest safety data sheet for this product, in accordance with Directive (EU) 453/2010 Annex II/A. The information contained in the aforementioned safety data sheet has been prepared with the utmost care and is based on the knowledge available at the time of publication. However, we accept no liability for any damages or inconvenience of any kind resulting from the use of the product.

### **Transport and Storage**

Store the product and its packaging in a dry place and protect it from moisture.

### **Shelf Life**

1 year after production in unopened original packaging.

### **Final Considerations**

The information provided in this product data sheet, along with application advice and other recommendations, is based on extensive research and practical experience. However, it is provided without any binding commitment or third-party liability. Clients are not exempt from the responsibility of verifying the suitability of the product and its application method for the intended use. The specified characteristics and properties represent average values and test results obtained at 20°C, with tolerances allowed.

Our customer service team is happy to assist with any further questions.

This product data sheet replaces all previous versions.