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# LITE

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## **Description:**

PROREND LITE is especially suitable for application on PROBOARD cement particle board and insulation systems. PROREND LITE is spatula finished ready for a subsequent application of PROREND COLOURTEX primer and finish coat.

## **Composition:**

A premium industrially produced stone mortar based on bonding agents of lime and cement in accordance with DIN 1060 and DIN 1164 with mild additives.

## **Characteristics:**

PROREND LITE has outstanding hydraulic and water-repelling properties. It can be worked easily, manually or mechanically as a bonding and foundation mortar. After setting, this mortar ensures healthy living conditions thanks to its excellent water-permeability characteristics.

## **Colours:**

White

## **Technical data:**

|                                |                                                                 |       |                      |
|--------------------------------|-----------------------------------------------------------------|-------|----------------------|
| Mortar group                   | : CS III according to DIN EN 998-1 / PII according to DIN 18550 |       |                      |
| Binding Agent                  | : white cement and slaked lime                                  |       |                      |
| Additive                       | : selected dispersions                                          |       |                      |
| Grain size                     | : approx. 1.0 mm                                                |       |                      |
| Water-mortar proportion        | : approx. 7 L / per 20 kg                                       |       |                      |
| Bulk density (volume weight)   | : approx. 0.9 kg/dm <sup>3</sup>                                |       |                      |
| Volume weight finished product | : approx. 1.0 kg/dm <sup>3</sup>                                |       |                      |
| Pressure resistance            | : approx. 4 N/mm <sup>2</sup>                                   |       |                      |
| Bending resistance             | : approx. 1.9 N/mm <sup>2</sup>                                 |       |                      |
| E-module                       | : approx. 3000 N/mm <sup>2</sup>                                |       |                      |
| Water absorption               | : W2 (according to DIN EN 998-1)                                |       |                      |
| Water Vapour permeability (μ)  | : 5/20 (according to EN 1745)                                   |       |                      |
| Heat coefficient (λ)           | : 0.31 (m <sup>2</sup> .K/W)                                    | P=50% | according to EN 1745 |
|                                | : 0.35 (m <sup>2</sup> .K/W)                                    | P=90% | according to EN 1745 |

All above value's are measured in a laboratory under set conditions, differences in practice are possible.

## **BS EN 13914-1: 2005**

Design, preparation and practical application of external rendering and internal plastering – part 1, external rendering, should be followed at all times.

## **Sitework:**

Scaffolding must be independently tied, to allow uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration, must be rectified.

## **Site Conditions:**

Temperature range, 5–30° C. PROREND LITE must not be applied to frozen or thawing supports. If the coating must be applied in adverse weather conditions, it is essential to protect both the working area and finish before and after application.

## **Substrate:**

PROREND LITE can be applied to PROBOARD cement particle board or insulation systems – contact SAS for specification.

## **Preparation:**

Background must be free from frost, dust, loose particles, damp, and other pollution which can interfere with the adhesion to substrate.

## **Application:**

Mix into a homogenous mass with approximately 7.2 litres of water per 20kg bag and apply manually or mechanically.

### **Bonding insulation boards:**

Where the substrate is uneven, apply 3 to 4 cm-thick mortar paths right along the edge at the rear of the insulation plate, plus 2 paths to divide the surface into three. Where the foundation is flat, apply the coat of bonding mortar to the rear of the insulation plate with a combing-trowel (size 10 x 10mm), such that the trails of glue have a thickness of 10 mm. Other methods are possible, but at least 60% of the upper surface must be covered with glue.

### **Applying PROREND LITE - PROMESH coat:**

Apply the foundation mortar evenly with an RVS trowel, then comb using a comb-trowel (size 10 x 10mm). Next, embed the PROMESH Grade 3, with an overlap of at least 10 cm in the mortar, and smooth down using an RVS trowel so that a coat thickness of approx. 4 mm (+/- 1mm) is obtained (approx. 6 mm on MW), such that the PROMESH spreads everywhere (pay attention to the upper corners of apertures) and is embedded adequately. Do not mix with any other substances. Protect the mortar against adverse weather conditions.

## **Curing / Drying:**

Curing with clean water may be necessary during rapid drying conditions.

## **Protection:**

Cover parts which do not have to be treated with PROREND LITE with paper and tape. Remove them directly after applying the finish.

## **Cleaning:**

All equipment must be cleaned immediately after use with water. Waste material should not be emptied into any drainage system.

## **Coverage:**

~0.9 kg/m<sup>2</sup> for each mm thickness

20 kg dry PROREND LITE mixed with ~7l water supplies ~ 22l fresh render @ 5mm 4.5 kg/m<sup>2</sup>, ~4.5 m<sup>2</sup>/bag

## **Packaging:**

20 kg paper bag

42 bags per pallet

## **Storage:**

PROREND LITE can be kept for approx 6 months if stored in clean, dry conditions.

## **Health & Safety:**

Refer to material safety data sheet for full details of safety measures

## **Technical Service:**

A Technical Advisory and Specification Service is available on request.

## **Mixing:**

Mix whole bag at a time to prevent separation of the additives. Other additives not allowed.

**For machine application, it should be noted that PROREND LITE should be applied by a Contractor who has the expertise and necessary equipment to carry out projection rendering, details of such Contractors can be obtained from ourselves.**

*\* Subject to alteration due to technical developments.*