
COLOUR

Description:

PROREND COLOUR is a cement based, self-coloured, ready mixed render (add water), normally applied in one coat. Specifically designed to incorporate the benefits of silicone water repellents into a cementitious render system. Water is thus prevented from penetrating the masonry, while moisture accumulating inside is able to escape without problem. The silicone also prevents the migration of soluble salts through the cured render, thus combating secondary efflorescence. It is ideally suited for areas where high water repellence is required.

PROREND COLOUR can be applied from 15 – 25mm and be cut to achieve Ashlar detailing. Easy to apply and highly suitable for application by machine. Excellent adhesion on mineral backgrounds.

Composition:

High quality, factory composed dry mortar according to DIN 18557 and DIN 18550. Sand according to DIN 4226. Binding agent according to DIN 1060 and 1164 and approved additives for better workability and obtaining the desired qualities.

Characteristics:

PROREND COLOUR is suitable for machine and/or hand application.

PROREND COLOUR provides a water repellent - and water vapour permeable render system. PROREND COLOUR leaves a scraped through coloured finish.

Colours:

16 Standard.

Technical Data:

| | | |
|--------------------------------|---|---|
| Mortar group | : CSII according to DIN EN 998-1 / PII according to DIN 18550 | |
| Binding Agent | : According to DIN 1060 and 1164. | |
| Grain size | : approx. 2.0 mm | |
| Water-mortar proportion | : approx. 5 L / per 25 kg | |
| Bulk density (volume weight) | : approx. 1.4 kg/dm ³ | |
| Volume weight finished product | : approx. 1.3 kg/dm ³ | |
| Pressure resistance | : approx. 3.5 N/mm ² | |
| Bending resistance | : approx. 1.5 N/mm ² | |
| E-module | : approx. 2700 N/mm ² | |
| Water absorption | : W2 (according to DIN EN 998-1) | |
| Water Vapour permeability (μ) | : 5/20 (according to EN 1745:2002 4.2.1 Table A12) | |
| Heat coefficient (λ) | : 0.83 (m ² .K/W) | P=50% |
| | 0.93 (m ² .K/W) | P=90% (according to EN 1745:2002 4.2.1 Table A12) |

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 COLOUR 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 COLOUR can be applied as a one coat render on medium density blockwork with normal suction. Otherwise (aerated concrete, high density blocks) apply onto backing of PROREND FLOAT. For concrete, apply onto backing of PROREND PREP.

Preparation:

The background has to be supporting and free from dust, loose particles, damp and other pollution which can be of disadvantage to the bonding. Protect fresh render work against weather influences.

Application:

Mix whole bags at a time to avoid separation of additives, mix with 5-6 litres of water to a homogenous, lump free mass, allow to stand for 5 minutes and mix again. Inconsistency in water content can cause colour variations. Apply PROREND COLOUR with a stainless steel trowel or rendering machine. Rule level with an aluminium straight edge and spatula flat. When sufficiently dry, between 4 – 16 hours depending on drying conditions, scrape the surface to achieve a uniform colour and texture. Any areas left un-scraped will result in a difference in colour and texture.

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 COLOUR with paper and tape. Remove them directly after applying the primer.

Cleaning:

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

Coverage: (2 mm aggregate)

~1.8kg/m² for each mm thickness

| | Application thickness | After scraping | Usage/25kg |
|-----------------|-----------------------|----------------|----------------------|
| On backing coat | ~ 12 mm | ~ 10 mm | ~ 1.2 m ² |
| One coat render | ~ 17 mm | ~ 15 mm | ~ 0.8 m ² |

Packaging:

25 kg paper bag
40 bags per pallet

Storage:

Can be kept for 6 months in cool dry conditions and off of the ground.

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.

Note:

The chosen colour can differ slightly from the original sample or colour chart. This is due to varying factors including application conditions and background. Subsequent orders of different batches can also moderately vary for which we can not be held responsible.

For machine application, it should be noted that PROREND COLOUR 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 SAS (Europe) Ltd.

** Subject to alteration due to technical developments.*