PROREND

Technical Data Sheet

PROREND COLOUR

DESCRIPTION
ProRend Colour is a cement based, self coloured, ready mixed render. Specifically designed to incorporate the benefits of silicone water repellents into a cement based 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 15mm – 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.

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
12 Standard.

PACKAGING
25 kg paper bag
40 bags per pallet

COVERAGE
1.7kg/mm/m2

THICKNESS

	Application thickness	After scraping
On backing coat	ca. 12 mm	ca. 10 mm
One coat render	ca. 17 mm	ca. 15 mm

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

BS EN 13914-1:2005
Design, preparation and application of external rendering and internal plastering 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 degrees centigrade. ProRend Colour must not be applied to frozen or thawing substrates. 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.

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SUBSTRATE
ProRend Colour can be applied as a one coat render on medium density blockwork with normal suction.
For aerated concrete and low density blocks apply onto backing of ProRend Prep or Lime Cement Primer.
For high density masonry and 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
Curing with clean water may be necessary during rapid drying conditions.

VARIATIONS
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 cannot be held responsible.

HEALTH & SAFETY
Cement powder mixed with water releases alkali. Prolonged skin contact should be avoided to prevent irritation (use barrier cream if necessary). Eye protection is recommended. If gloves are worn, they should not be plastic/latex.

TECHNICAL DATA

Grain size:	~2mm
Water-mortar proportion:	~5l/25kg
Bulk density:	~1.4kg/m^3
Set mortar density:	~1.3kg/m^3
Compressive strength:	~3.5N/mm^2
Bending resistance:	~1.5N/mm^2
E-module:	~2700N/mm^2
Reaction to fire:	A1
Water absorption:	W2
Water vapour permeability μ:	5/20
Water vapour diffusion coefficient:	15/35
Thermal conductivity λ:	0.82 W/mK (P=50%)
	0.89 W/mK (P=90%)

nb. Subject to alteration due to technical developments.

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