
RAPID

Description:

PROREND RAPID is especially suitable for application on mineral building substrates and aerated concrete internally or externally. This lime cement render with controlled setting time can be float sponge finished or keyed to receive a subsequent finish and provides excellent background for PROREND decorative finishes.

Composition:

A premium industrially produced dry mortar based on bonding agents of lime and approved light weight additives in accordance with DIN 18557, 18550, 4226 part 1, 459, mortar group PII, CS II in compliance with BS-EN 998-1.

Characteristics:

PROREND RAPID is a flexible render that is easy to apply by hand or machine. Due to its lightweight additives PROREND RAPID minimises surface tension between render and background substrate. It is weather resistant and a thermal insulant after curing. PROREND RAPID may be finished 2 hours after application regardless of thickness, temperature or substrate.

The setting technology creates the possibility to make accurate calculations and planning. After two hours the render is ready to be finished and is not influenced by temperature, thickness or substrate. PROREND RAPID also lowers the risk of cracking because of its low e - module and early setting.

Colours:

Grey

Technical data:

Mortar group	: CSII according to DIN EN 998-1 / PII according to DIN V 18550		
Binding Agent	: lime and cement		
Additive	: Quartz, perlite		
Grain size	: approx. 1.0 mm		
Water-mortar proportion	: approx. 7 L / per 25 kg		
Bulk density (volume weight)	: approx. 1.3 kg/dm ³		
Volume weight finished product	: approx. 1.2 kg/dm ³		
Pressure resistance	: approx. 2.5 N/mm ²		
Bending resistance	: approx. 1.0 N/mm ²		
E-module	: approx. 2000 N/mm ²		
Water absorption	: W2 (according to DIN EN 998-1)		
Water Vapour permeability (μ)	: 5/20 (according to EN 1745)		
Heat coefficient (λ)	: 0.35 (m ² .K/W)	P=50%	according to EN 1745
	: 0.40 (m ² .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 RAPID 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 RAPID can be applied on to all sound supporting masonry backgrounds. Background has to be free from frost, dust, loose particles, damp, and other pollution which can interfere with the adhesion to substrate.

Preparation:

For backgrounds with weak or irregular suction, apply Strikocem VSP4 prior to PROREND RAPID and allow it to cure. Treat strong suction substrates (e.g. aerated concrete) with Strikolith Lime-cement Primer. Treat concrete substrates with Strikocem UNI-H Universal Adhesive render (see technical doc. sheets for application). Embed render supports or PROMESH reinforcing mesh on background of varying materials.

Application:

Mix dry PROREND RAPID with tap water into a lump-free, homogenous mass; when applied by hand mix no more than 3 bags at the same time and use immediately after mixing; do not mix up again in case it loses its controlled setting qualities; when applied by machine do not stop for more than 10 minutes and clean hoses immediately after use. Apply PROREND RAPID in one or several layers, depending on the desired thickness. Rule off with a straightedge. Always horizontally key the surface if PROREND RAPID is to receive further coats; each layer must not be thicker than 30 mm; protect fresh plaster against rapid drying and wet the plaster lightly when used in high temperatures for 3 days to allow the cement to fully cure; minimum layer thickness 15 mm; maximum total thickness 50 mm

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 RAPID 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:

~1.25 kg/m² for each mm thickness

25kg PROREND RAPID mixed with approx. 7l water supplies approx. 23l fresh plaster; ~1.3 m²/bag

Packaging:

25 kg paper bag

40 bags per pallet

Storage:

PROREND RAPID can be kept for approx 6 months if stored in clean, dry conditions. The timed setting technology will be guaranteed for 3 months.

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 RAPID 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.*