EWIPRO Render Systems

PRO-511
HARDSET
PRODUCT DATA SHEET



PRO-511 Hardset is a fibre-reinforced internal undercoat designed to level and prepare masonry surfaces before the application of finishing plaster.

Formulated with white Portland cement, reinforcing fibres, polymers, modifying additives and mineral fillers, it provides a flexible, stable background for internal plaster systems and is suitable for correcting uneven substrates before final finishing.

Intended Uses

PRO-511 Hardset is intended for internal levelling and preparation of masonry substrates before the application of compatible finishing plasters.

It is suitable for brickwork, blockwork, existing cement plasters, lime plasters and renders that require flattening or surface correction. It may be used as a standalone undercoat or as a levelling layer over PRO-510 Insulated Undercoat.

Technical Specification

Composition	White Portland cement, reinforcing fibres, polymers, modifying additives and mineral fillers
Quantity Per Unit	25kg
Colour	White
Granulation	0–1mm
Consumption	Approx. 1.2kg/m²/mm
Minimum / Maximum Thickness	3–20mm
Recommended Thickness – Over Insulated Undercoat	Approx. 3mm
Recommended Thickness – Standalone Undercoat	Approx. 13mm
Coverage Rate	Approx. 6.9m² per 25kg bag at 3mm Approx. 1.6m² per 25kg bag at 13mm
Water Mix Proportions	Approx. 6.5L of clean water per 25kg bag
Working Time	Approx. 60 minutes
Application Temperature	+5°C to +25°C
Reaction to Fire	Class A1

Please note: Thickness, consumption, coverage and time figures are indicative only and may vary depending on the substrate, application method and site conditions.

Please see the reverse of this page for directions for use.

Directions for use

Substrate Preparation

The substrate must be clean, sound and stable, and free from dust, soot, grease, oils, release agents, paint residues, mortar droppings and other contaminants that may affect adhesion.

Remove and repair weak, damaged or friable areas before application. Where required, use a suitable primer according to the substrate type, condition and absorbency before applying PRO-511.

Product Preparation

Gradually add one 25kg bag of PRO-511 Hardset to approximately 6.5 litres of clean, cool water. Mix manually or with a low-speed mechanical mixer until a smooth, homogeneous and lump-free consistency is achieved.

Allow the mixture to stand for approximately 5 minutes, then remix thoroughly before use.

Where part bags are used, thoroughly blend the dry contents before gauging, as some separation may occur during transport. Do not remix material that has begun to set or hardened material.

Application

Apply PRO-511 Hardset to the prepared substrate using a hawk and trowel at thicknesses between 3mm and 20mm.

For use as a standalone internal undercoat, a typical application thickness of approximately 13mm is recommended. When used over PRO-510 Insulated Undercoat, a typical thickness of approximately 3mm may be applied.

Level and straighten the surface using a straightedge, removing high spots and excess material as required. Finish with a devil float where a keyed surface is required for the subsequent internal plaster finish.

Application Conditions

Apply when the air, substrate and material temperatures are between +5°C and +25°C.

During application and curing, protect the material from rapid drying and unsuitable site conditions that may adversely affect setting or final performance.

Clean-up

Clean tools and equipment with clean water immediately after use. Once hardened, the material can only be removed mechanically.

Packaging & Storage

PRO-511 Hardset is supplied in 25kg bags.

Store unopened bags off the ground in dry conditions. Shelf life is up to 12 months from the date of manufacture when stored correctly.

Compliance with Standards

PRO-511 Hardset conforms to EN 998-1.

Safety Measures

Wear suitable gloves, eye protection, protective clothing and respiratory protection where dust is generated.

Wet mortar may irritate or burn the skin and eyes. Avoid contact with the skin and eyes and avoid inhaling dust. Refer to the latest Safety Data Sheet for full handling, first aid and disposal guidance.

General Information

This data sheet replaces all previous editions. The information provided is based on current knowledge and practical experience, and while it has been compiled with care, it is not guaranteed to be accurate, complete or suitable for all applications. It is the responsibility of the user to verify the product's suitability for their specific use case. No legal obligations are established by this document.

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