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Technical Data Sheet

Unitex® Cembond Substrate Sealer

Providing an extra physical barrier to water, Unitex® Cembond Substrate Sealer is a primer/ sealer water-based acrylic surface coating that can be spray applied or roller coated over masonry surfaces (brickwork, block-work, aerated autoclaved concrete, pre-cast concrete, etc.) and cement containing render products from the Unitex® Uni-Dry Cote ranges. Complete and uniform coverage must be provided over the various substrates.

Description

Unitex® Cembond Substrate Sealer is a substrate conditioning treatment and is based on a pure acrylic polymer in a water emulsion specifically formulated for compatibility in the highly alkaline cement environment as a sealer or for cement modification.

Unitex® Cembond Substrate Sealer is applied to porous masonry surfaces to even out and reduce the porosity (absorption) and create a seal for the later applied coats. This ensures improved adhesion between layers, improved durability of later coats, and evenness of the coating system

Unitex® Cembond Substrate Sealer has not been designed as a top-coat for exterior surfaces. For this, Unitex® recommends Uni- PTC™ applied in thinner coatings in multiple layers and Uni-Flex™ Membrane for single, thicker coats, both with a matt finish (almost no sheen), high hiding and a polymer back-bone that provides protection against the effects of weather (rain, temperature extremes, solar radiation and wind effects, etc.).

Unitex® Cembond Substrate Sealer is supplied in ready to use 15 litre pails. Typical coverage with 1 coats is approximately 50-70m² (30-40 m² for AAC Substrates).

For the discerning project managers, builders and applicators, Unitex® Cembond Substrate Sealer used as part of the Unitex® coating system assists your project as follows:

Provides an extra physical barrier to water ingress or egress for cement based surfaces, prior to subsequent coats.

By penetrating into the concrete surface, excellent adhesion to the substrate and render/texture coatings or top-coats applied over the sealer can be achieved. Unitex® Cembond Substrate Sealer is considered transparent over most substrates. It may bring about slight shading difference

Surface coating that provides protection against weather effects for many years.

Easy to apply by spray or roller.

Application tools can be washed with water.

Consistent quality.

Is readily available in 15 litre pails.

Is manufactured by Unitex® in Australia.

Application Instructions

Substrates

Masonry surfaces such as brickwork, block-work, aerated autoclaved concrete, pre-cast concrete, etc. and cement containing products such as Unitex® Uni-Dry Cote render products.

Substrate Condition

Before application of Unitex® Cembond Substrate Sealer, the substrate must be clean, DRY, cured and free of any dust and latence. This means that any loose or damaged substrate must be removed, or patched and repaired. Unitex® recommends testing surface dryness with a Moisture Meter (such as Protimeter) where the measured WME (Wood Moisture Equivalent) must be lower than 12 %.



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Note: A test area of the complete Unitex® system must always be provided by the applicator for the Builder's approval and signed off stating that the full system must be used.

Always contact Unitex® for specific substrate specifications.

Site Preparation

It is important to ensure that, as well as the substrate being properly prepared, the work area is also made ready. This means masking and protective covering of windows, doors and adjoining surfaces to avoid marking the glass and frame surfaces with splatter. Drop sheets should also be used where required (tiles, pavers, downpipes, etc.).

Building regulations, if the scope of work invokes these, will require scaffolding to be erected by a qualified and certified operator. Equipment must be tagged and kept in good safe working order. Site and local handling of equipment regulations must be followed to provide a safe and clean work environment.

Weather Conditions

If temperatures are less than 10°C or greater than 35°C, Unitex® Cembond Substrate Sealer should not be applied to a wall.

Freshly applied Unitex® Cembond Substrate Sealer must be protected from rain, other sources of moisture and frosts for at least 24 hours.

Drying

In dry, mild conditions, Unitex® Cembond Substrate Sealer should be dry within 24 hours after application. With certain site conditions such as shaded areas, lower temperatures or high humidity, drying of the coating may take longer.

Always check the weather forecast before applying coatings to surfaces as rain, especially within the first 8 hours after application, has a tendency to damage or weaken the coating, or at best, leave water marks. Heavy rain at any time in the first 2-3 weeks may leave water marks on the surface. Should rain damage occur, the coating integrity and adhesion must be checked.

Both frosty conditions and excessively high temperatures should be avoided. Unitex® recommends applying Unitex® Cembond Substrate Sealer in temperatures above 10 °C and less than 35 °C.

All substrates must be dry before a coating is applied. Unitex recommends testing surface dryness with a Moisture Meter (such as Protimeter) where the WME (Wood Moisture Equivalent) must be lower than 12 %.

Cleaning up

All of the equipment used to apply Unitex Renders, Textures and Paints are cleaned up with water and a little "elbow grease" immediately after use. Cleaning should only be carried out at the Builder's, or own, supplied environmental cleaning station where all waste water is captured for eventual removal to recycling stations.

Estimating

Supply

Unitex® Masonry Substrate Sealer

15 litre pail, 32 pails per pallet

Coverage

With one coats, approximately 50-70m² (30-40 m² for AAC Substrates).

Shelf Life

A shelf life of 12 months is to be expected, providing the product is stored in full and unopened pails. After opening, re-seal the pail to slow the skin formation of the product. However, if the product has dried out in the pail, discard before use. Storage in both frosty and hot conditions is to be avoided as this can affect the stability of the product.



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Product Safety

See MSDS

Unitex® Cembond Substrate Sealer is classified as non-hazardous according to the criteria of NOHSC.

Not classified as dangerous goods according to the Australian Code for Transport of Dangerous Goods.
NON DANGEROUS GOODS

Manufacturers Details

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