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## Technical Data Sheet

### Unitex® Masonry Substrate Sealer

Providing a physical barrier to water and a chemical barrier to salt migration, Unitex® Masonry 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® Masonry Substrate Sealer is a primer and sealer for cement containing substrates such as Unitex® Uni-Dry Cote render products, brickwork, block-work, aerated autoclaved concrete, pre-cast concrete, etc. where the sealer forms a physical barrier to rain and intermittent water penetration. Additionally, Unitex® Masonry Substrate Sealer features good penetration into the substrate, strong adhesion to the substrate and a chemical barrier to salt migration/efflorescence.

Unitex® Masonry 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® Masonry Substrate Sealer is supplied in ready to use 15 litre pails. Typical coverage with 2 coats is approximately 35-45 m<sup>2</sup>.

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

- Provides a physical barrier to water ingress or egress for cement based surfaces.
- Provides a chemical barrier to salt migration so that white, salty marks are inhibited on coated, dry surfaces.
- By penetrating into the concrete surface, excellent adhesion to the substrate and texture coatings or top-coats applied over the sealer can be achieved.
- Able to be factory tinted to provide higher hiding to top-coats. The choice of colours is wide. Please contact Unitex® to find out more. Note that all colours will fade a little in outdoor conditions. This is normal. Experience has shown that some deep shades are not suited to harsh Australian conditions and will not be supplied by Unitex®.
- 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.
- Resists attack from bacteria and fungi.
- Is readily available in 15 litre pails.
- Is manufactured by Unitex® in Australia.

TECHNICAL DATA SHEET

CLADDING | RENDERS | TEXTURES | MOULDINGS + COLUMNS | ACCESSORIES  
Unitex Granular Marble Pty Ltd ACN 005 995 611 ABN 42 087 324 477  
Unitex Render Warehouse (SA) Pty Ltd ACN 601 059 929 ABN 96 601 059 929



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## 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® Masonry 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 %.

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 7 °C or greater than 32°C, Unitex® Masonry Substrate Sealer should not be applied to a wall.

Freshly applied Unitex® Masonry Substrate Sealer must be protected from rain, other sources of moisture and frosts for at least 48 hours.

### Drying

In dry, mild conditions, Unitex® Masonry 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® Masonry Substrate Sealer in temperatures above 7 °C and less than 32 °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.

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## Estimating

### Supply

Unitex® Masonry Substrate Sealer 15 litre pail, 32 pails per pallet

### Coverage

With two coats, approximately 35-45 m<sup>2</sup>.

### 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. A clear liquid may form on the surface of the product, especially in warm, humid conditions. This is normal and can be homogenized back into the product with stirring before use. Storage in both frosty and hot conditions is to be avoided as this can affect the stability of the product.

### Product Safety

See MSDS

Unitex® Masonry 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

## Manufacturer's Details

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This information contained herein relates only to the specific material identified. Unitex Granular Marble Pty Ltd believes that such information is accurate and reliable as of the date of this Technical Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made to the accuracy, reliability or completeness of the information.

Unitex urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

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