



HEAD OFFICE
22 Park Drive
Dandenong VIC 3175

Phone: (03) 9768 4900
Fax (03) 9768 4999
www.unitex.com.au

NSW OFFICE
14 Artisan Road
Seven Hills NSW 2147

Phone: (02) 9838 0911
Fax (02) 9838 9555
www.unitex.com.au

RENDER WAREHOUSE
1346 North Road
Oakleigh South VIC 3167

Phone: 1800 RENDER
Fax (03) 9544 3620
www.render.com.au

Technical Data Sheet

Uni-Trowel Décor™ 105 Texture

2-3 mm ScratchTrowel Finish product from the Unitex® range of Applied Texture Finishes.

Description

Unitex® Applied Texture Finishes are acrylic based textured coatings designed for decorating exterior walls. Unitex® Applied Texture Finishes are suitable for use over surfaces prepared with Render from the Unitex® Specialty Renders range. Uni-Trowel Décor™ 105, as part of the Unitex® range of Applied Texture Finishes, is designed for trowel application in a single coat on rendered exterior walls where a long lasting decorative scratch grain texture finish can be expected. Uni-Trowel Décor™ 105 can be supplied in white or in your choice of light to medium strength colours.

Uses

Uni-Trowel Décor™ 105 is an Applied Texture Finish with a Scratch Grain texture. This is due to a small proportion of 2-3 mm particles mixed with a larger amount of fine-grain particles. When floated, the larger particles are "caught" on the float and are moved through the coating leaving a continuous furrow that does not fill in later. This product provides a decorative effect and a durable finish to rendered walls.

As the name implies, Uni-Trowel Décor™ 105 is designed for trowel application. A single coat can be trowelled over a rendered wall and before the coating dries, is floated bringing out the scratches on an otherwise smooth and level layer. Being a water-based product with carefully selected low toxicity components, trowels and floats can be washed with water as long as the texture finish hasn't dried. Disposal of empty and partly filled pails must be carried out in accordance with the Material Safety Data Sheet and should not be simply flushed with water down drains.

Application Instructions

Substrate condition

Unitex® recommends that Uni-Trowel Décor™ 105 should be applied over dry, already rendered walls. There are a number of products in the Unitex® Specialty Renders range for various substrates such as:

- Uni-Dry Cote™ Redi Render, HiLite Render and Fast-R for brickwork, block-work and other masonry.
- Polymer Render and DryPoly Render with inserted alkali resistant fiberglass mesh for adhesion to bare Expanded Polystyrene (EPS) foam.
- Base Board Render and BBR 8.5 kg Render for build and leveling on coated EPS cladding panels

for which Uni-Trowel Décor™ 105 can be trowelled over. Unitex® manufactures renders for other substrates, so please see the Unitex® brochure "Renders and Finishes" available on www.unitex.com.au.

Before applying Uni-Trowel Décor™ 105, ensure that the surface is clean and dry. All surfaces must be free of grease, oil, mould, dirt, dust, release agents, bond-breakers or other contaminants that may interfere with adhesion. Surfaces consisting of freshly applied cement-rich renders ought to be left for a minimum of 28 days (to allow the cement to fully cure) before Uni-Trowel Décor™ 105 is applied. Unitex® recommends that a Moisture Meter (such as Protimeter) be used to assess the moisture content of the render and if the WME (Wood Moisture Equivalent) is less than 15 % then application with an Applied Texture Finish can proceed.

Note: A test area of the complete system must always be provided by the applicator for the Builder's and Specifier's approval.

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.).

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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 work environment.

Weather Conditions

If rain is forecast within the next 4 hours or if temperatures are less than 10°C or greater than 35°C, Uni-Trowel Décor™ 105 must not be applied to a wall.

Freshly applied Uni-Trowel Décor™ 105 must be protected from rain, other sources of moisture and frosts for at least 48 hours.

Mixing

Uni-Trowel Décor™ 105 is a ready-to-use product where simple mixing only is required before applying the product by trowel and hawk to a rendered wall. As a rule, there is no need to add water to this product before application. Should water be added, additional coats may be required to achieve hiding and coverage.

Application

Using a trowel and hawk, Uni-Trowel Décor™ 105 can be spread over rendered walls to a level layer of approximately 3 mm thickness. Finish to a smooth textured sand finish with 2-3 mm scratches embedded into the smooth layer with a float applied in a light, circular motion will occur after the coating has partially set.

Curing

Uni-Trowel Décor™ 105 is an air dried product whereby water leaves the coating and the polymeric component coalesces to form a film. It is important that the coating is protected from rain, moisture and cold conditions for the first 3-5 days after coating and from impact damage for 3-4 weeks. Once fully dry, the strong binding power of the acrylic polymer results in an impact resisting coating able to withstand hard knocks and a surface able to withstand scuffing.

Properties**Biological Resistance**

Components that resist attack from bacteria and fungi, both in the pail and in the dry film, are present in Uni-Trowel Décor™ 105. This product has been formulated from water based, low toxicity components with the consumer's expectation for high safety standards and good handling being met. For further details please see the Material Safety Data Sheet available on www.unitex.com.au.

Fire Resistance

The full Unitex® coating system meets Australian and New Zealand Standard AS/NZS 1530.3:1999 "Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release" with a rating of:

- 0 (0-20 scale) for Ignitability Index, i.e. zero ignitability
- 0 (0-10 scale) for Spread of Flame Index,
- 0 (0-10 scale) for Heat Evolved Index and
- 3 (0-10 scale) for Smoke Developed Index.

The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions.

Water Resistance

Coatings of Uni-Trowel Décor™ 105, even at high build, are formulated with a water permeability factor to rainproof the exterior and allow some water vapour from the substrate to leave unhindered.

Colour

The pigmentation is completely integrated during the manufacturing process, which means colour through the entire film thickness. Unitex Applied Texture Finishes are available in a practically unlimited range of full colour to pastel shades. Please contact Unitex® for the full range of colours available. Note: some deep tones cannot be supplied in applied finishes. Contact Unitex® for your specific solution. All colours will fade to some degree with time in exterior systems.

Over-coating

Uni-Trowel Décor™ 105 may be over-coated after a minimum of 48 hours with a protective top coat such as Uni-PTC™ or a thicker acrylic coating such as Uni-Flex™ Membrane. These top coats can be pre-coloured and provide a decorative effect as well as enhancing the durability of the system.



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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

Uni-Trowel Décor™ 105 15 litre pail

Coverage Approximately 8-10 m²

Shelf Life

A shelf life of 12-24 months is to be expected.

Product Safety

See MSDS

Uni-Trowel Décor™ 105 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

Company	Unitex Granular Marble Pty Ltd 22 Park Drive Dandenong, Vic. 3175 Australia
Telephone	+61 3 9768 4900
Telefax	+61 3 9768 4999
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