

Technical Data Sheet

TUFFTEX ATOMIC



USES

- For interior/exterior application to both new and old masonry.
- TUFFTEX ATOMIC is a fine scratch grade texture that is trowel applied and finished to achieve a durable, tough and decorative appearance to rendered walls. It contains 1-2mm feature grain that when floated is caught on the specialised float to achieve the desired pattern.
- Compliments TUFFWALL Insulated Wall System & TUFFmouldings range of profiles.

TUFFTEX superior range of finishes are acrylic based textured coatings, designed to enhance the appearance of exterior walls. TUFFTEX finishes are suitable for use over substrates prepared with Render from the TUFFTEX renders range. TUFFTEX ATOMIC is designed for trowel application on rendered exterior walls where a long lasting medium grain texture finish can be expected.

TUFFTEX ATOMIC is a water based, highly flexible and crack resistant acrylic wall coating. TUFFTEX ATOMIC can be tinted to light to dark exterior colours that many others simply cannot do. We have a long 'wet edge' summer mix and also a fast drying winter mix.

TUFFTEX ATOMIC is easy to apply and the finish is uniform and consistent. TUFFTEX ATOMIC is an easy to apply flexible acrylic texture coating that can accommodate cement render daily stresses caused by expansion and contraction from temperature changes. TUFFTEX coatings protect against alkali attack and won't shrink or crack over rendered substrates.

Substrate condition:

TUFFTEX recommends that TUFFTEX ATOMIC should be applied over dry, already rendered walls. Before applying TUFFTEX ATOMIC, ensure that the surface is clean, dry and free of grease, oil, mould, dirt, surface chalk, dust, release agents, bond-breakers or other contaminants that may interfere with adhesion. Surfaces consisting of freshly applied cement-rich renders should be left for a minimum of 28 days (to allow the cement to fully cure) before TUFFTEX ATOMIC is applied. TUFFTEX advises a coat of our TUFFTEX PRIMER be applied before the TUFFTEX ATOMIC is trowelled. This will aid adhesion, colour fastness, spread rate and trowel ability. TUFFTEX recommends that a Moisture Meter 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. Surface imperfections should be levelled and patched and completely flush to surrounding surfaces. Maximum coverage and adhesion is assured by first applying TUFFTEX PRIMER.

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.). TUFFTEX acrylic coatings are designed to last the test of time, as such care should be taken in covering areas for accidents (splatter, spillage)

Weather Conditions:

If rain is forecast within the next 4 hours or if temperatures are less than 10°C or greater than 35°C, TUFFTEX ATOMIC must not be applied to a wall.

Freshly applied TUFFTEX ATOMIC must be protected from rain, other sources of moisture and frosts for at least 48 hours.

Mixing:

TUFFTEX ATOMIC is a pre-tinted ready-to-use product. Mixing is only 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 as adding water is diluting the product.

Application:

Apply by hawk and trowel, TUFFTEX ATOMIC can be spread over rendered walls to a level layer up to approximately 1.5mm thickness. Finish to a smooth textured finish with a float applied in a light, circular motion after the coating has partially set. Can also use a polystyrene float to aid in pattern generation. Curing: 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 cured, 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.

Water Resistance:

TUFFTEX ATOMIC is 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. TUFFTEX acrylic coatings are available in a wide range of full colour to pastel shades. Please contact TUFFTEX for the full range of colours available. Note: some bright tones cannot be supplied in applied finishes. Contact TUFFTEX for your specific solution. All colours will fade to some degree with time in exterior applications.

Over-coating:

TUFFTEX ATOMIC may be top-coated after a minimum of 48 hours with a protective top coat such as TUFF Shield TP or a thicker acrylic coating such as TUFF Shield MP. These top coats provide a decorative effect as well as enhancing the durability of the system.

Cleaning up:

All of the equipment used to apply TUFFTEX acrylic coatings can be cleaned up by scrubbing with water immediately after use.

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- Coverage - Approximately 11-14m²
- Wet Film Thickness - 1125 microns (approx)
- Dry Film Thickness - 825 microns (approx)
- Shelf Life - 12-24 months is to be expected.
- Product Safety - See MSDS

TUFFTEX ATOMIC 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**

This information contained herein relates only to the specific material identified. TUFFTEX 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. TUFFTEX urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

TUFF Shield MP was previously known as Impact.

TUFF Shield TP was previously known as Protective Top Coat (PTC).



Manufacturer's Details

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