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Technical Data Sheet

Unitex® URW Sand Medium

Blended dry powder render for trowel-applied one or two coat applications over new and old brick as well as cement block.

Description

Unitex® URW Sand Medium is a cement-based blended powder that when mixed thoroughly with water, can be trowel applied in typical thicknesses of 2-4 mm over masonry surfaces such as new and old bricks and concrete block-work.

For the discerning project managers, builders and applicators, Unitex® URW Sand Medium assists your project as follows:

Trowels on easily and smoothly in thin layers.

Is polymer-modified for strong adhesion to masonry surfaces.

Is more waterproof than conventional render.

Easily prepared. Just add water and drill to your preferred consistency.

Is ideal for renovation works or over new surfaces.

Consistent quality.

After drying, can be overcoated with a tinted Unitex Applied Texture Finish.

Is readily available in paper sacks individually or on 60 sack pallets.

Is manufactured by Unitex in Australia.

Uses

Unitex® URW Sand Medium is trowel applied and suitable for a one coat or two coat application on all suitable masonry surfaces, e.g. brick or block, etc. both inside and out, and is recommended to aid in the protection of masonry walls from the damaging effect of surface ingress of moisture. If the surface is in good order, only a skim coat is required.

Unitex® URW Sand Medium is cement based and polymer modified for water resistance and strong adhesion to sound masonry surfaces. Unitex® URW Sand Medium is applied either mechanically sprayed or trowelled and then rubbed up to a true and even surface with a float. This product is workable at thicknesses up to approximately 4 mm.

Unitex® URW Sand Medium enhances the appearance of masonry surfaces and may be sponge finished for a concrete "olde worlde" sandy surface effect or, more likely, is overcoated with Unitex® Applied Finishes such as factory tinted Uni-Trowel Décor 146, 155, 333 or 777 "wet" textures or Uni-Cote 846 or 855 dry powder textures. After the texture is dry, a suitable factory tinted topcoat such as Uni-PTC can be applied for added protection against weather effects.

Unitex® URW Sand Medium is supplied in ready-to-use 20 kg bags. Each bag allows up to 15 litres of wet render to be prepared by mixing the bag contents with approximately 4-5 litres of clean water and drilling for homogeneity.

Coverage per bag depends on the desired thickness of the render and at a low-build thickness of 2-3 mm., coverage of approximately 3-5 m² can be expected.

Application Instructions

Substrates

Masonry surfaces such as new or old brickwork and concrete block-work .

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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Substrate condition

Before application of any render, the masonry surface must be clean, dry, cured and free of any dust and debris. This means that any loose or damaged substrate must be removed, or patched and repaired, and any moisture must also evaporate out prior to Unitex® URW Sand Medium being trowelled onto the substrate.

Ensure that the surface is clean and dry. All surfaces must be free of efflorescence, grease, oil, mould, dirt, dust, release agents, bond-breakers or other contaminants that may interfere with adhesion. Pre-painted substrates must be wire brushed back to the bare substrate.

Adequate expansion joints are required to minimize cracking on the surface of the render. Location of the expansion joints is the responsibility of the Builder or Head Contractor. Unitex® recommends expansion joints to every elevation and between different substrates to allow for building movements and stresses. If such expansion joints are not provided, cracking due to movement of the substrate may occur. This is in no way indicative of faulty material. Rather it indicates sub-standard building practice.

All substrates must be dry before render is applied and conversely, all render surfaces must be dry before being over-coated. Unitex® recommends testing surface dryness with a Moisture Meter (such as Protimeter) where the WME (Wood Moisture Equivalent) must be lower than 15 %.

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

Always contact Unitex® for specific substrate specifications.

Weather Conditions

If temperatures are less than 8 °C or greater than 30°C, Unitex® URW Sand Medium should not be applied to a wall.

Freshly applied Unitex® URW Sand Medium must be protected from rain, other sources of moisture and frosts for at least 48 hours.

Mixing

As a cement-containing blended powder, Unitex® URW Sand Medium must be thoroughly mixed with clean, potable water to a homogenous slurry prior to application. As the cement cures, the slurry will get thicker with time until it is no longer useable. The pot life is about 3 hours in ambient conditions.

Mechanical stirrers are recommended for mixing powder into water. Whilst the water content and flow of the slurry should vary slightly for different weather conditions (try for a little more water on days of higher temperatures), a good guide is to use 3 volumes of Unitex® URW Sand Medium to one volume of water, that is, use approx. 4.5 litres of water to 1 bag of render. Unitex® URW Sand Medium must always be mixed into water: not the other way around. Note that there is a useable application time (pot life) of about 3 hours before the slurry is no longer workable. Addition of too much water will result in shrinkage and cracking.

Application

Unitex® URW Sand Medium is a low-build render that can be trowelled over masonry surfaces in single coat or two coat thicknesses up to 4 mm with each application. Floating in a smooth, circular motion is recommended for a smooth, hole-free continuous surface.

Unitex® URW Sand Medium is also suitable for spraying by pumpable render machines.

Unitex® URW Sand Medium is not suitable as a render for use on expanded polystyrene sheets: for this we recommend Unitex Polymer Render on uncoated EPS board or a choice of Unitex® Base Board Render or the lightweight product Unitex® "BBR 8.5 kg" on our factory coated Uni-Base Board EPS board. Unitex® "BBR 8.5 kg" can be trowelled in a single application at 6-8 mm thickness to achieve a Bushfire Attack Level of BAL-29 and at 12-14 mm thickness for BAL-40 (see Unitex® meets BAL tests brochure).

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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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