

Unitex

22 Park Drive Dandenong VIC 3175

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

14 Artisan Road Seven Hills NSW 2147

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

URW (Oakleigh) 1346 North Road Oakleigh VIC 3167

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

URW (SA) 20 Cardiff Court Cavan SA 5094

Phone: (08) 8262 7900 Fax (08) 8262 7922 www.render.com.au

Technical Data Sheet

Unitex® Base Board Render

Blended dry powder render for trowel application on both factory coated and applicator prepared Expanded PolyStyrene (EPS) cladding boards. Unitex® Base Board Render is NOT SUITABLE for direct application onto bare EPS cladding boards.

Description

Unitex[®] Base Board Render is a cement-based blended powder that when mixed thoroughly with water, can be trowel applied in typical thicknesses of 4-10 mm over factory coated and applicator prepared Expanded PolyStyrene (EPS) cladding boards.

For project managers, builders and applicators, Unitex® Base Board Render assists your project as follows:

Provides a high build thickness of render to EPS cladding and thus fulfills a leveling and straightening function needed for a true and level wall.

Provides a high build thickness of render to EPS cladding and thus provides structural stability, impact resistance and protection against weather effects, including rain and wind, that is expected from exterior walls of homes and buildings.

Trowels on easily and smoothly in both thin and thick layers.

Is a polymer-modified cement based render that adheres strongly with cement-modified polymer-based renders such as Unitex® Polymer Render that adhere directly onto bare EPS cladding boards and also to factory coated Uni-Base Board EPS cladding boards..

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.

Is an integral component of the Unitex® Base Board System of EPS cladding that is BRANZ Approved and complies with CodeMark. However, for applications where upper level Bushfire Attack Levels are required, Unitex recommends the lightweight product, Unitex® "BBR 8.5 kg" to be used instead of Unitex® Base Board Render.

Uses

Unitex® Base Board Render is specially formulated to strongly adhere to to applicator prepared EPS board cladding, or to precoated Uni-Base Board EPS board cladding. Prior to applying Unitex® Base Board Render, the applicator must prepare bare EPS board by meshing the surface with alkali resistant coated glass fibre mesh and coating with 2-3 mm Unitex® Polymer Render (with 5-10 % added cement). Otherwise, Unitex® meshes and coats EPS boards in a factory controlled process and makes this product available to builders as Uni-Base Board which is available in thicknesses of 50, 75 and 100 mm of EPS.

Together with a number of Unitex® components, Unitex® Base Board Render is an integral part of the Unitex® Base Board System for EPS wall cladding applications. The Unitex® Base Board System is BRANZ Appraised, conforms with CodeMark and has a BRAC Certificate which means that recognized independent authorities attest that the product system complies with the Performance Requirements of the Building Code of Australia.



Unitex

22 Park Drive Dandenong VIC 3175

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

Unitex (NSW)

14 Artisan Road Seven Hills NSW 2147

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

URW (Oakleigh)

1346 North Road Oakleigh VIC 3167

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

URW (SA) 20 Cardiff Court Cavan SA 5094

Phone: (08) 8262 7900 Fax (08) 8262 7922 www.render.com.au

Unitex® Base Board Render is cement based and polymer modified for water resistance and strong adhesion. The product is trowel applied and suitable for a one coat or two coat application on Uni-Base Board EPS cladding. A minimum curing time of 24 hours between coats is required. The product is workable at thicknesses of approximately 4-10 mm.

To complete the finishing system, Unitex® Base Board Render 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. Drying times between coats of at least 72 hours must be observed.

Unitex® Base Board Render 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 the minimum recommended 4 mm thickness, coverage of approximately 2-5 m² can be expected.

Application Instructions

Substrates

Applied to already coated and meshed Expanded Polystyrene and especially the Unitex® factory coated product, Uni Base Board.

Substrate condition

Before application of any render, the 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, prior to application of the base render. 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.

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® Base Board Render should not be applied to a wall.

Freshly applied Unitex® Base Board Render must be protected from rain, other sources of moisture and frosts for at least 48 hours.

Mixing

As a cement-containing blended powder, Unitex® Base Board Render 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® Base Board Render to one volume of water, that is, use approx. 4.5 litres of water to 1 bag of render. Unitex® Base Board Render 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.



Unitex

22 Park Drive Dandenong VIC 3175

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

Unitex (NSW)

14 Artisan Road Seven Hills NSW 2147

Phone: (02) 9838 0911

Fax (02) 9838 9555

www.unitex.com.au

1346 North Road Oakleigh VIC 3167

URW (Oakleigh)

URW (SA)

20 Cardiff Court Cavan SA 5094

Phone: 1800 RENDER Phone: (08) 8262 7900 Fax (03) 9544 3620 Fax (08) 8262 7922 www.render.com.au www.render.com.au

Application

Unitex® Base Board Render is trowel applied at thicknesses of 4-10 mm. With two coats, thicknesses up to 20 mm can be achieved. A minimum curing time of 72 hours between coats is required. Floating in a smooth, circular motion is recommended for a smooth, hole-free continuous surface.

In dry, mild conditions, Unitex® Base Board Render should be dry after 72 hours after application. With certain site conditions such as shaded areas, lower temperatures or high humidity, drying of the render may take longer, even up to 7-10 days. Being a cement-containing product, maximum physical strength will not be achieved until 4 weeks have passed.

Always check the weather forecast before applying renders to masonry surfaces as rain, especially within the first 8 hours after application, has a tendency to damage or weaken the render, 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 render integrity and adhesion must be checked, and any necessary repairs carried out and then allowed to fully dry prior to allowing Unitex® Base Board Render to be overcoated.

Both frosty conditions and excessively high temperatures should be avoided. Unitex recommends applying Unitex® Base Board Render in temperatures above 8 °C and less than 30 °C. Should hot and windy conditions be encountered after commencing rendering, dampen the substrate with water. Do not apply render until the "wet" look has receded and the surface has absorbed the free water. This will enable Unitex® Base Board Render to remain as workable as it is in milder conditions.

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 %.

Estimating

Supply

Unitex® Base Board Render

20 kg bag

60 bags per pallet

Coverage

Approximately 2-5 m² at 4 mm thickness.

Shelf Life

This product contains cement and must be kept dry. A shelf life of 6 months is to be expected. Discard partly filled open bags within 2 weeks of use.

Product Safety

See MSDS

Unitex® Base Board Render is classified as hazardous according to the criteria of NOHSC.

The product contains Portland cement. Portland cement is classified as a Hazardous Substance, Non-Dangerous Goods according to the criteria of NOHSC. All other components are classified as Non Hazardous, Non Dangerous Goods.

Risk phrases for Portland cement are

R36/37/38 Irritating to eyes, respiratory system and skin

R40 Possible risk of irreversible effects R43 May cause sensitization by skin contact

Harmful: danger of serious damage to health by prolonged exposure through inhalation R48/20

Safety Phrases for Portland cement



Unitex 22 Park Drive

Dandenong VIC 3175

Phone: (03) 9768 4900 Fax (03) 9768 4999 www.unitex.com.au Unitex (NSW)
14 Artisan Road
Seven Hills NSW 2147

Phone: (02) 9838 0911 Fax (02) 9838 9555 www.unitex.com.au 1346 North Road Oakleigh VIC 3167

URW (Oakleigh)

Phone: 1800 RENDER Phone: (08) 8262 7900
Fax (03) 9544 3620 Fax (08) 8262 7922
www.render.com.au www.render.com.au

URW (SA)

20 Cardiff Court

Cavan SA 5094

S22 Do not breathe dust

S24/25 Avoid contact with skin and eyes

S36/37 Wear suitable protective clothing and gloves

The chemical composition of Portland cement is essentially oxides of various elements, the most prevalent being oxides of calcium Ca, silica Si, aluminium Al, iron Fe, titanium Ti, chromium Cr (mostly as insoluble Cr III but it is possible that water soluble Cr IV could be present at concentrations of less than 10 ppm). Trace amounts of oxides of magnesium Mg, potassium K and phosphorus P may also be present. As cement is a blended product, crystalline silica at levels less than 0.1 % may be present.

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
Website <u>www.unitex.com.au</u>

Date issued 01 November 2013

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.