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## Technical Data Sheet

### Unitex® Harbour Fine Render

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

#### Description

Unitex® Harbour Fine Render is a cement-based blended powder that when mixed thoroughly with water, can be trowel applied and sponge finished in typical thicknesses of 2-10 mm over masonry surfaces such as new and old bricks and concrete block-work.

For the discerning project managers, builders and applicators, Unitex® Harbour Fine Render 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® Harbour Fine Render 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® Harbour Fine Render is cement based and polymer modified for water resistance and strong adhesion to sound masonry surfaces. Unitex® Harbour Fine Render 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 of 2 mm up to approximately 10 mm.

Unitex® Harbour Fine Render enhances the appearance of masonry surfaces and may be sponge finished for a concrete “olde world” sandy surface effect. As well, Unitex® Harbour Fine Render can be trowel applied, finished with a float and overcoated with Unitex Applied Finishes such as factory tinted Uni-Trowel Décor 146 (fine marble finish), 155 (medium marble finish), 333 (medium sand finish) or 777 (enhanced medium marble finish) “wet” textures or Uni-Cote 846 (fine marble finish) or 855 (medium marble finish) 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® Harbour Fine 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 a low-build thickness of 4 mm., coverage of approximately 2 m<sup>2</sup> can be expected.



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## Application Instructions

### Substrates

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

### 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® Harbour Fine Render 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.

### 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 work environment.

### Weather Conditions

If temperatures are less than 8 °C or greater than 30°C, Unitex® Harbour Fine Render should not be applied to a wall.

Freshly applied Unitex® Harbour Fine 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® Harbour Fine Render must be thoroughly mixed with clean, potable water to an 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® Harbour Fine Render to one volume of water, that is, use approx. 4.5 litres of water to 1 bag of render. Unitex® Harbour Fine 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.



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R36/37/38 Irritating to eyes, respiratory system and skin  
R40 Possible risk of irreversible effects  
R43 May cause sensitization by skin contact  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation

**Safety Phrases for Portland cement**

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**

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