



# EPS BASE RENDER PM 652

TECHNICAL DATA INFORMATION TDI-652 PG.1

To be read in conjunction with:

- APPLICATION GUIDE (AGI-652)
- [Technical information sheet](#) TI Hydration of Cement Render
- [Technical information sheet](#) TI Substrate / Coating systems data
- [Technical information sheet](#) TI Levels of finish
- Health & Safety [MSDS-652](#).

## Product Description:

EPS BASE RENDER PM 652 is a consistent factory blended & packaged, polymer enhanced, cement based render.

**EPS BASE RENDER PM 652 has been specially formulated with a cement compatible, powdered bonding agent that is added during the manufacturing process.**

**Weather by hand or machine application, EPS BASE RENDER PM 652 eliminates the need to add any bonding agents on site.**

## Composition:

Selected grades of high quality, washed quartz sands, calcium carbonates, hydraulic inorganic mineral binders and cement compatible polymers.

## Performance Qualities:

EPS BASE RENDER PM 652 when applied in accordance with Supa Coat specifications, to suitable, sound/stable building substrates will retain its integrity i.e. **will not** delaminate, go “Drummy” or soft. Properly cured, PM 652 exhibits minimal curing shrinkage & is a most suitable surface for over-coating with most acrylic primers, textures & paints.

EPS BASE RENDER PM 652 has the ability to be applied to a thickness of between 4mm – 20mm per coat without the need for any mechanical fixing to the substrate.

EPS BASE RENDER PM 652 when cured, exhibits a high water resistance and exceptional weather protection when applied to external walls.

## Suitable substrates:

EPS Base render Can be applied over all suitably prepared, traditional and/or modern lightweight building substrates. (If unsure as to the suitability of the substrate to be rendered, please contact Supa Coat Australia.)

## Typical Uses:

EPS BASE RENDER PM 652 is specially formulated for use as base coat over all suitably prepared Fibrous Cement sheeting, Expanded Polystyrene panels / blocks and Styrofoam Building Substrates.



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## APPLICATION

### Surface preparation:

- Ensure the substrate is of sound nature, free from dust, dirt and loose particles, form release oils and other contaminants that may affect adhesion and bonding strength of subsequent coating.
- Highly absorbent substrates ie. Fibrous cement sheeting should be sealed prior to the application of mineral coatings, with SUPAPRIME AL 15 to control absorption of water from the wet coatings into the substrate.

### Mixing:

EPS BASE RENDER PM 652 has been specially formulated for both hand and machine application.

### Hand application:

- Use only clean potable water & clean mixing containers. Add approx. 4 - 5 litres of water into mixing container.
- Slowly add contents of bag into water whilst stirring with a high-powered mechanical mixing drill with suitable stirrer attachment.
- Allow mixture to Activate for Approx. 5 minutes.
- Adjust mixture by dosing powder and/or water to achieve the desired workable consistency.
- **NO BONDING AGENTS NEEDED!**

### Over-Coating ( Painting & Textures ):

#### Preparation:

EPS BASE RENDER PM 652 can readily be over-coated with suitable acrylic sealers, roll-on or trowel-on textures & high build acrylic membrane paints render, after only 1 day per millimetre of render thickness applied.

#### Theoretical Coverage:

**Spread Rate (Theoretical): Based on a "True, Flat substrate that has No recesses or Voids Substrate" with minimal suction (porosity).**

1 M<sup>2</sup> (Square Metre) at 4mm thick requires 6.4 kilos.

Theoretical scaling factor is 1mm thickness 1.6 kg of EPS RENDER PM 652.

#### Theoretical Coverage/Spread Rate Guide

| Average thickness in millimetres | Number of coats | Material kilos per square metre |
|----------------------------------|-----------------|---------------------------------|
| 4                                | 1               | 6.4                             |
| 6                                | 1 or 2          | 9.6                             |
| 8                                | 1 or 2          | 12.8                            |
| 10                               | 1 or 2          | 16                              |
| 20                               | 1 or 2          | 32                              |

Figures are a guide only. Coverage rates may vary according to application techniques and substrate factors.



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## Precautions & Limitations:

- Should not be applied in temperatures below 3° Celsius (temperature must be climbing on application & must not fall below 3°C within 8 hours of application) or above 35°C or in windy conditions. Protect from freezing & temperatures below 3°C for 48 hours after application. Protect from rain for up to 24 hours.
- Cannot be tinted.
- When applied, as a thin section render, the product cannot be expected to hide imperfections, make right poor quality substrate installations or overcome poor preparation.
- Supa Coat will not accept responsibility for any misuse of product/s. The application of Supa Coat EPS BASE RENDER PM 652 is a specialist procedure & should be applied by a fully qualified, BSA licensed Supa Coat Trained Applicator & in accordance with our technical specifications & other company literature.
- Due to the rigidity imparted by the cement in the product, Supa Coat EPS BASE RENDER PM 652 is not designed for, nor has it the ability to bridge cracks in masonry or deal with expansion/contraction of thermal movement, structural movement or cracking at stress points. However correct use of reinforcing mesh & the use of high build trowel-on or roll-on Acrylics as recommended by Supa Coat in our [Substrate/Coating Systems](#) may overcome or reduce the effects of such movement.

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