CEMENT RENDER PM 660

TECHNICAL DATA INFORMATION TDI-660 PG.1

To be read in conjunction with:

- APPLICATION GUIDE (AGI-660)
- 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-660.

Product Description:

CEMENT RENDER PM 660 is a consistent factory blended & packaged, polymer enhanced, cement based render.

CEMENT RENDER PM 660 has been specially formulated with a cement compatible, powdered bonding agent that is added during the manufacturing process.
Weather by hand or machine application, CEMENT RENDER PM 660 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:

CEMENT RENDER PM 660 when applied in accordance with Supa Coat specification, to sound/stable building substrates will retain its integrity i.e. **will not** delaminate, go “Drummy”, or soft.
Properly cured, PM 660 exhibits minimal curing shrinkage & is a most suitable surface for over-coating with most acrylic primers, textures & paints.
CEMENT RENDER PM 660 used in conjunction with Supa Coat SUPAPRIME AL 15, has the ability to be applied directly to the primed substrate and finished in a one (1) coat application.
CEMENT RENDER PM 660 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.
CEMENT RENDER PM 660 when cured exhibits a high water resistance, and exceptional weather protection when applied to external walls.

Suitable substrates:

Can be applied over all suitably prepared masonry substrates including Bricks & Blocks, AAC- Hebel blocks & panels, & Slab Edges. Can also be applied over properly prepared Straw Bale structures.

Typical Uses:

CEMENT RENDER PM 660 is generally used as a full render coating applied between 10 & 20mm thick “screeded flat” or as a Thin section render applied between 4 & 8mm thick.

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TECHNICAL DATA INFORMATION TDI-660 PG.2

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. AAC-Hebel blocks and panels, should be sealed prior to the application of mineral coatings, with SUPAPRIME AL 15 to control the absorption of water from the wet coatings into the substrate.

Mixing:

CEMENT RENDER PM 660 has been specially formulated for both hand and machine application.

Hand application:

- Use only clean potable water & clean mixing containers. Add approx. 4 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):

CEMENT RENDER PM 660 can readily be over-coated with suitable acrylic sealers, roll-on or trowel-on textures & high build acrylic membrane paints suitable for render after a curing time of 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 M² (Square Metre) at 4mm thick requires 6.4 kilos.
Theoretical scaling factor is 1mm thickness 1.6 kg of CEMENT RENDER PM 660.

Theoretical Coverage/Spread Rate Guide

Average thickness in millimetres	Number of coats	Material kilos per square metre
4	1	6.4
6	1or 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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CEMENT RENDER PM 660

TECHNICAL DATA INFORMATION TDI-660 PG.3

Precautions & Limitations:

- Should not be applied in temperatures below 3º Celsius (temperature must be climbing on application & must not fall below 3ºC within 8 hours of application.) Protect from freezing & temperatures below 3ºC for 48 hours after application. Protect from rain for up to 5 hours after application.
- Cannot be tinted.
- Supa Coat will not accept responsibility for any misuse of product/s. The application of Supa Coat CEMENT RENDER PM 660 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 CEMENT RENDER PM 660 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 glass fibre 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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