



A-COAT PM 655

TECHNICAL DATA INFORMATION TDI-655 PG.1

To be read in conjunction with:

- APPLICATION GUIDE (AGI-655)
- [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-655](#).

Product Description:

A-COAT PM 655 is a consistent factory blended & packaged, highly polymer enhanced, cement based adhesive.

Composition:

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

Performance Qualities:

A-COAT PM 655 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.
A-COAT PM 655 exceeds the performance requirements of AS-2358.
A-COAT PM 655 exhibits a shear bond strength of 16.83kg / cm²

Suitable substrates:

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

All suitable Expanded polystyrene building and cladding systems.

All Fibrous cement sheeting products.

Can also be applied over painted masonry surfaces as a key coat for subsequent coatings.

Typical Uses:

A-COAT PM 655 has a multi-purpose role in Supa Coat rendering systems.

Used as:

- Cement based adhesive for fixing of render angles and beads to all substrates suitable for rendering.
- Setting compound, reinforced with suitable Fibreglass mesh reinforcing.
- A key coat or base coat, applied to painted masonry surfaces to receive subsequent render coatings.
- Adhesive for bedding and fixing ceramic tiles or stone products to firm masonry surfaces, incl. FC sheeting.
- May also be used as a thin section floor coating in certain applications, on approval by Supa Coat Australia.



A-COAT PM 655

TECHNICAL DATA INFORMATION TDI-655 PG.2

Application Thickness:

A-COAT PM 655 is not recommended to be applied over a thickness of 2mm per single coat, however should a greater thickness be needed, further coats may be applied to build out to the required thickness.

Application Method:

A-COAT PM 655 can be applied by hand and/or machine application.

For detailed application information please refer to: Application guide AGI-655 & relevant substrate preparation data sheet.

Over-coating (painting):

A-COAT PM 655 can easily be over-coated with suitable Acrylic or silicate sealers & high build impact paints after a curing time of only one (1) day per millimetre of A-coat thickness applied.

Note: The moisture content of the A-coat should be less than 15% WME prior to application of above-mentioned products.

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. Protect from freezing & temperatures below 3°C for 48 hours after application.
- 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 A-COAT PM 655 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 A-COAT PM 655 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 as recommended by Supa Coat in our [Substrate/Coating Systems](#) may overcome or reduce these occurrences.
- A-COAT PM 655 must not be applied to wet or “green” concrete substrates, ensure any new concrete substrates to be coated have had sufficient curing time. (minimum 28 days)
- Due to the high content of polymers and other binding additives A-COAT has a rapid setting time and strong bonding properties when cured, it is therefore important that any soiling of surfaces not to be coated, i.e. Windows, Window frames, roofing & gutters, etc. be cleaned immediately as to avoid permanent damage.



A-COAT PM 655

TECHNICAL DATA INFORMATION TDI-655 PG.3

Features:

Pre-packaged
Controlled formulation
Excellent adhesion
Fast curing properties

Benefits:

Neat & easy storage, no waste, easy to move form job to job
No on site gauging, product consistency
Suitable for use on masonry substrates generally without the need for key coats or base coats.
Can be used directly over painted masonry.

Weather:

N/A.

Water:

Excellent water resistance

Solvent:

Sensitive to Hydrochloric acid

Performance guide

Abrasion: Resists abrasion when cured & or top coated

Heat: Withstands up to 60°C

Technical & Application Data

Gloss Level: N/A

Spread Rate: 1 m² at 4mm thick requires 6.4 kilos package

(Theoretical) Theoretical scaling factor is 1mm

Thickness 1.6 kg of WHITESET

Application by: Trowel or machine, for details refer AGI-150

Setting time: 2hours, climate & substrate dependant

Shelf Life: Maximum 12 months stored cool & dry

Colour: Off White

Dry Thickness: Min 4mm max 60mm per coat

Coats: 1-3

Curing: N/A

Recoat: Allow 1 day per mm thickness of applied render at 25C & 55% humidity

Compression Strength: 2.5 to 3.5 N/mm²

Flexural Strength: 1 to 1.5 N/mm²

Specific Gravity: 1.50

Toxicity: Lead free. Dry film is non-toxic & conforms to AS 1647.

Volume of Solids: 100%

Thinner: Water or Supa Bond 007 substrate dependant

Flammability: Non flammable

Clean up: Clean all equipment with water

Material Health & Safety

Details: For a detailed data refer to our MSDS sheet **MSDS-150**. These are available from all Supa Coat depots & our head office

Personal Protection Equipment (PPE); When handling or using product where safety glasses, gloves & suitable respiratory mask.

Mixing & Handling; Wearing stated PPE mix product externally & stand upwind of dust. Use standard "Heavy lifting" techniques when lifting or carrying this product.

Transport & Storage

Container type: Plastic lined paper sack

Bags per Pallet: 45-54 dependant on transport type

Dangerous goods: N/A

Weight: 20 kilograms

Flash point: N/A

SUPA COAT
AUSTRALIA PTY. LTD.

ABN 87 054 216 232

CNR. FRITZ RD & BRUCE H-WAY, GYMPIE Q. 4570
PHONE 07 – 5482 8263 FAX 07 – 5482 9152