# SUPA COAT
## EPS COATING SYSTEM
ECO-BLOCK Exterior Pg. 1 of 3

This coating system has been developed to achieve a flawless rendered finish over the ECO-BLOCK substrate, providing a seamless, tough, weatherproof finish, able to withstand even the harshest of climates.
The SUPA COAT EPS COATING SYSTEM carries a **15 year complete coating system warranty.**

**Pre-Coating Inspection:**

Substrate to be over-coated must be free from dust, loose particles and/or any other contaminants that may affect adhesion and bonding strengths of subsequent coatings.
Ensure all Corner beads, Reveal Trims and Sill Trims are correctly fixed as per Manufacturer's Installation & Fixing Manual.

**Angle beads and Trims:**

Supa Coat Australia Pty. Ltd. strongly recommends angle beads be set with PM 655 A-COAT prior to application of PM 652 EPS BASE RENDER.

## Base Coating
**Hand Application:**

- Using only clean, potable water & clean mixing containers, add approx. 4 litres of water into a suitable mixing container.
- Add contents of one bag of PM 652 EPS BASE RENDER into water whilst stirring with a high-powered mechanical mixing drill with a suitable stirrer attachment.
- Adjust mixture by dosing powder and/or water to achieve the desired workable consistency.
- Apply mixed PM 652 EPS BASE RENDER to substrate using the angle beads as a guide to achieve the required thickness.
- Embed pre-cut lengths of Glass-Fibre Mesh (AGFM 3000 / 1500 1m x 50m) into the EPS BASE RENDER PM 652 using a trowel. The mesh should be embedded vertically, ensuring each run of mesh overlaps the previous by approx. 100mm (The entire EPS substrate to be rendered must have mesh embedded.)
  **(Mesh must be embedded just below the surface of the applied PM 652 EPS BASE RENDER.)**
- Once the mesh embedded base render has become firm, but not dry, a further skim-coat of PM 652 EPS BASE RENDER may be applied, screeded and/or floated to achieve a flat surface ready to accept selected SUPA COAT Acrylic texture product.
- Allow applied PM 652 EPS BASE RENDER to cure prior to over-coating with selected SUPA COAT Acrylic texture product. Approx. 1 day per millimetre thickness of render applied.
  **(Climate dependent, a min. Drying/curing time 24 hours must be allowed.)**

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**Machine Application:**

PM 652 EPS BASE RENDER is a product well suited to be applied to the Expanded Polystyrene (EPS) substrate by machine application.

- PM 652 EPS BASE RENDER is sprayed onto the wall panels in an even pattern, using the angle beads as a gauge.
- Using an aluminium render screed/straight edge, screed the freshly applied render removing material from “high spots” and fill any “hollows”.
- Embed pre-cut lengths of Glass-Fibre Mesh (AGFM 3000 / 1500 1m x 50m) into the EPS BASE RENDER PM 652 using a trowel. The mesh should be embedded vertically, ensuring each run of mesh overlaps the previous by approx. 100mm (The entire EPS substrate rendered, must have mesh embedded.)
  **(Mesh must be embedded just below the surface of the applied PM 652 EPS BASE RENDER.)**
- Once the mesh embedded base render has become firm, but not dry a further skim-coat of PM 652 EPS BASE RENDER may be applied, screeded and/or floated to achieve a flat surface ready to accept selected SUPA COAT Acrylic texture product.
- Allow applied PM 652 EPS BASE RENDER to cure prior to over-coating with selected SUPA COAT Acrylic texture product. Approx. 1 day per millimetre thickness of render applied.
  **(Climate dependent, a min. Drying/curing time 24 hours must be allowed.)**

**Water-resistant Barrier: (Optional)**

Supa Coat strongly recommends the use of a water-resistant barrier be applied to the base render prior to the application of acrylic texture coatings.
This inhibits the ingress of moisture into the render, providing a superior protective finish, while adding exceptional longevity to the coating system.
To qualify for the SUPA COAT EPS COATING SYSTEM **15 year complete coating system warranty**, this process must be carried out. **(Please refer to SILOXANE SLI-311 Data sheets for further details.)**

**Primer:**

Once the applied PM 652 EPS BASE RENDER has been allowed to cure, one coat of AL 15 Supaprime is rolled onto the entire surface in preparation for the final texture coating.

**Texture Coating:**

The base-coated, primed EPS (Expanded Polystyrene) substrate is finished using a SUPACOAT acrylic texture system with a minium dry film thickness of 1mm.
SUPACOAT acrylic textures are available in a wide range of colours and styles.

- AL 30 TRAVERTINE 1.5mm – 3mm
- AL 40 SANDSTONE FINISH
- AL 45 CORSICA
- AL 50 TESINO
- AL 60 ACRYLIC RENDER

(Please refer to relevant product Technical Data (TDI- ) for details on application.)

Where SUPACOAT acrylic textures are used as a coloured finish, the EPS COATING SYSTEM **does not** require a paint coating or clear sealer to be applied over the texture.

**Over Coating:**

Acrylic texture coatings may be over-coated with AL 10 SUPAGLAZE, an acrylic based clear sealer or AL 23 IMPACT FLEX, a high build acrylic emulsion paint.
Not required as an integral component of the SUPA COAT EPS COATING SYSTEM, the over-coating of the final texture coating with either of the above-mentioned products provides for a low maintenance finish, with an exceptional resistance to soiling and dirt pick-up.

(Allow the acrylic texture a minium drying/hardening period of min. 8 hours before over-coating.)

**Important Considerations:**

**Applicators**

- The application of SUPA COAT Renders & Textures are specialist procedures & should be applied by fully qualified, BSA licensed, applicators & in accordance with products relevant technical specifications & other company literature.

**Mesh**

- The AGFM-3000 / 1500 fibreglass mesh is an integral component of the SUPA COAT EPS COATING SYSTEM. It is crucial that the correct grade of mesh is installed correctly, according to specification outlined below:
- Mesh must be 160-180gsm, alkali resistant, Fibreglass mesh.
- Mesh must be embedded in PM 652 EPS BASE RENDER no deeper then 1/3 of the total render thickness applied.
- The mesh should be embedded vertically, ensuring each run of mesh overlaps the previous by approx. 100mm, but no less the 50mm.
- Mesh must be embedded right to the exposed edge of all angle beads and trims.

**Materials**

- Refer to Technical Data information sheets (TDI- ) for relevant products before commencing use.

**Warranty:**

SUPA COAT's EPS COATING SYSTEM carries a complete coating system warranty. This warranty is given under the conditions that:

- Works are carried out by fully qualified, BSA Licensed applicators.
- The substrate has been installed by experienced installers, in accordance with all manufacture's specifications.
- The Complete EPS COATING SYSTEM has been applied in accordance with all relevant SUPA COAT product literature.

The SUPA COAT EPS COATING SYSTEM warranty shall cover loss arising from defective components of the EPS COATING SYSTEM. (This excludes any components manufactured or supplied by an unrelated third party.) Liability under this warranty extends only to the repair/replacement by SUPA COAT AUSTRALIA PTY. LTD. of any defect that is found to be, solely attributed to any defective component of the EPS COATING SYSTEM. The specified components outlined herein, form part of and are integral to the superior performance of this system. The omission or substitution of any components may compromise the performance of the entire system, and shall void the warranty.