**NOTE: Green text is for instruction only and not to be included in the final specification**

**1 BLOCKWORK**

**1.1 Preliminary**

Refer to General Conditions of Contract and the Special Conditions in this Specification as

appropriate. Read this section in conjunction with all other trade sections.

**1.2 Compliance**

Comply with the New Zealand Building Code 1992 including all revisions and amendments,

Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

Comply with all relevant provisions and recommendations of:

AS/NZS1170.2:2011 Structural design actions - Wind actions

NZS1170.5:2004 Structural design actions - Earthquake actions - New Zealand

NZS4251.1:2007 Solid plastering - Cement plasters for walls, ceilings and soffits

NZBC B2 Durability

NZBC E2 External moisture

**1.3 Supercrete™ Block AAC Masonry Wall System**

**1.3.1 Scope**

Supply, construct and finish Supercrete™ Block AAC Masonry walls to the locations identified on the drawings, complete with system components and accessories.  All aspects of this work shall be in complete accordance with the [Supercrete™ Block Design & Installation Guide](http://www.superbuild.co.nz/technical/design_guides/supercrete_block_construction_systems_full_design_guide.pdf), the [Supercoat AAC Coating Systems Technical Manual](http://www.supercoat.co.nz/technical/SAACCSTM2011.pdf) (check [www.superbuild.co.nz](http://www.superbuild.co.nz/index.html), or call 0800 464 787 for the latest editions), other relevant product manufacturers' recommendations, and as shown on the drawings.  The exterior face of the Supercrete™ Block AAC Masonry shall be finished with the specified Supercoat™ Coating Systems.

No substitutions are permitted for Supercrete™ Block AAC Masonry and Supercoat™ Coating Systems.

**1.3.2. System Components**

Choose one or more of the following paragraphs as appropriate to the detailing on the drawings

##### Supercrete™ Block - 50mm thick

**Supercrete™ Block - 50mm.**   600mm long x 250mm high x 50mm thick Autoclaved Aerated Concrete (AAC), square faced, solid, unreinforced block.  525kg/m³ nominal weight.  Suitable as a facing block for Supercrete™ Block walls.  Non-toxic and non-combustible.
Installed in accordance with the Supercrete™ Block Design & Installation Guide and as shown on the drawings, and finished with the selected Supercoat™ AAC Coating System compounds and paint.

Location: List locations on building of 60mm Supercrete™ 50mm thick Block

##### Supercrete™ Block - 100mm thick

**Supercrete™ Block - 100mm.**   600mm long x 250mm high x 100mm thick Autoclaved Aerated Concrete (AAC), square faced, solid, unreinforced block.  525kg/m³ nominal weight.  Suitable for facing block for Supercrete™ Block walls.  Non-toxic and non-combustible.
Installed on buildings designed within the scope of NZS 4229 or NZS 4230 in accordance with the Supercrete™ Block Design & Installation Guide and as shown on the drawings, and finished with the selected Supercoat™ AAC Coating System compounds and paint.

Location:

##### Supercrete™ Block - 150mm thick

**Supercrete™ Block - 150mm.**   600mm long x 250mm high x 150mm thick Autoclaved Aerated Concrete (AAC), square faced, solid, unreinforced block.  525kg/m³ nominal weight.  Suitable for interior non-load bearing solid masonry walls.  Non-toxic and non-combustible.  Laid in a staggered pattern - minimum 75mm overlap of lower joints.
Installed on buildings designed within the scope of NZS 4229 or NZS 4230 in accordance with the Supercrete™ Block Design & Installation Guide and as shown on the drawings, and finished with the selected Supercoat™ AAC Coating System compounds and paint.

Location:

##### Supercrete™ Block - 200mm thick

**Supercrete™ Block - 200mm.**   600mm long x 250mm high x 200mm thick Autoclaved Aerated Concrete (AAC), square faced, solid, unreinforced block.  525kg/m³ nominal weight.  Suitable for interior and exterior load bearing and non-load bearing solid masonry walls.  Non-toxic and non-combustible.  Laid in a staggered pattern - minimum 100mm overlap of lower joints.
Installed on buildings designed within the scope of NZS 4229 or NZS 4230 in accordance with the Supercrete™ Block Design & Installation Guide and as shown on the drawings, and finished with the selected Supercoat™ AAC Coating System compounds and paint.

Location:

##### Supercrete™ Block - 250mm thick

**Supercrete™ Block - 250mm.**   600mm long x 250mm high x 250mm thick Autoclaved Aerated Concrete (AAC), square faced, solid, unreinforced block.  525kg/m³ nominal weight.  Suitable for interior and exterior load bearing and non-load bearing solid masonry walls.  Non-toxic and non-combustible.  Laid in a staggered pattern - minimum 100mm overlap of lower joints.
Installed on buildings designed within the scope of NZS 4229 or NZS 4230 in accordance with the Supercrete™ Block Design & Installation Guide and as shown on the drawings, and finished with the selected Supercoat™ AAC Coating System compounds and paint.

Location:

##### Supercrete™ Block - 300mm thick

**Supercrete™ Block - 300mm.**   600mm long x 250mm high x 300mm thick Autoclaved Aerated Concrete (AAC), square faced, solid, unreinforced block.  525kg/m³ nominal weight.  Suitable for interior and exterior load bearing and non-load bearing solid masonry walls.  Non-toxic and non-combustible.  Laid in a staggered pattern - minimum 100mm overlap of lower joints.
Installed on buildings designed within the scope of NZS 4229 or NZS 4230 in accordance with the Supercrete™ Block Design & Installation Guide and as shown on the drawings, and finished with the selected Supercoat™ AAC Coating System compounds and paint.

Location:

Continue with any of the paragraphs below as appropriate to the detailing of the system on the drawings

**Damp-proof Course.**  Bituminous or hi-impact polyethylene DPC in accordance with AS/NZS 2904, installed as a bond breaker between the base course levelling mortar and the supporting concrete slab or footing.  The width of the DPC shall match the width of the Supercrete™ Block wall.
The bearing surface of the concrete substrate must be straight and flat, and free of ridges and high points and debris prior to installing the DPC.

**Supercoat™ Superbase Render Mortar.**  A cement-based, polymer modified adhesive.  Used as a levelling bed mortar for base course blocks only - nominal 10mm thick mortar bed applied directly onto the DPC slip layer (all other mortared block joints must be adhered with Supercrete™ Superbond Adhesive).
Use only when ambient temperatures are between 5°C - 25°C.  Supplied as a bagged dry powder and mixed on site with clean, uncontaminated water in accordance with the manufacturer's requirements.

**Supercoat™ AAC Superbond Adhesive.**  A cement-based, polymer modified adhesive.  Applied to horizontal and vertical block joints as a thin-bed adhesive mortar for laying Supercrete™ Blocks, and for bonding Supercrete™ facing blocks and pre-formed bands and decorative trim to the blockwork.  Do not use Supercoat™ AAC Superbond Adhesive as a levelling bed mortar for the bottom course of blocks.
Use only when ambient temperatures are between 10°C - 30°C, including the entire curing period.  Supplied as a bagged dry powder and mixed on site with clean, uncontaminated water in accordance with the manufacturer's requirements.

**Supercrete™ Block Control Joint Ties.**  Bedded into Supercoat™ Superbond Adhesive at every second block course, and centred over the vertical control joint with the crimp pointing up.

**Wall Ties** - Pryda SB15/S Strapbrace or similar Supercrete™ approved.  300mm long x 25mm wide stainless steel flat strap, cut to length on site and installed as a wall tie at Supercrete™ Block wall 'T' junctions.  Bedded into Supercoat™ Superbond Adhesive at every second block course and centred over the block joint.

**Vertical Reinforcing Tie Rods** - D12, Grade 300 Steel Reinforcing Bar to AS/NZS 4671.  Used to vertically reinforce Supercrete™ Block solid masonry walls.  Installed in accordance with the Design & Installation Guide to the locations and details shown on the drawings.
Prior to laying Supercrete™ Blocks and to accommodate the vertical reinforcing installation, accurately pre-drill the blocks with a 50mm diameter hole centred on the block width, and pre-cut access/cleaning ports in base course blocks.
Unless specified otherwise, grout fill shall be as noted on the design drawings.

**Vertical Reinforcing Rod Grout.**  A free flowing sand/cement 17MPa grout.  Placed after all the block courses have been completed and the block adhesive has set.  Ensure no voids or air pockets are created during the filling process.

**Bond Beam/Lintel Grout** - Ordinary Grade Builder's Mix Concrete, 17.5MPa, cast in-situ.  Placed in the bond beam or lintel after the vertical tie rod ducts have been filled.  Ensure that the concrete mix is properly compacted so that no voids or air pockets are created during the pouring process.

**Supercoat™ Tanking Membrane.**  Liquid applied acrylic damp-proof membrane.  Applied as a waterproof membrane to concrete slab/footing rebates supporting Supercrete™ Block Masonry, window and door opening rebates and sills, and to non-vertical Supercrete™ Block exterior surfaces and waterproofed details.  Brush or roller applied to properly prepared substrates in accordance with the manufacturer's requirements.
Where required, reinforce Supercoat™ Tanking Membrane with Supercoat™ Tanking Mesh between two coats of the tanking membrane.

**Flexible Sealant** - Holdfast FIX ALL 220LM MS Joint Sealant.  Used to seal movement control joints, around window and door joinery, soffit junctions, and around pipes, conduits, brackets, flashings etc. that penetrate the Supercrete™ Block Masonry.  Applied over a 13mm diameter PEF backing rod and neatly finished flush with the surface.

**1.3.3. Sample**

Submit a clearly identified 300 x 300mm sample of the required Supercoat™ Coating System textured and painted finish for signed approval of the Architect/Designer; do not proceed until the sample has been approved.

**1.3.4. Co-operation**

Co-operate with other trades to ensure that all preliminary and preparatory works are completed to specification and as shown on the drawings.
Co-ordinate with other trades to ensure that the Supercrete™ Block AAC Masonry correctly allows for door and window installation, and for the locations of pipes, outlets, cables, meter boards and other fittings installed by others, and to install Supercrete™ Block AAC Masonry and Supercoat™ Coating Systems as required.

**1.3.5. Workmanship**

Where required by the NZ Building Amendment Act 2012 it is the building contractor's responsibility to ensure that all restricted building work is carried out by a Licensed Building Practitioner.

Installation of Supercrete™ Block AAC Masonry shall be carried out by installers registered with Superbuild International Ltd, familiar with the specified products and installation techniques, to fully comply with all Superbuild International Ltd warranty requirements and in accordance with the manufacturer's requirements and as shown on the drawings.
No block laying shall be undertaken during wet weather or when the ambient temperature is outside the range of 10°C to 30°C or is likely to be outside this range until the Superbond adhesive is fully cured.
As necessary, provide all temporary lateral bracing when constructing Supercrete™ Block  masonry walls.
Carry out all necessary installation inspections in accordance with the Supercrete™ Block Construction Checklist to fully comply with the manufacturer's warranty requirements as the works progress.
Inspection by the Engineer will be in accordance with NZS 4230.  Give 24 hour's notice for inspections of blockwork and completed reinforcement placement, with the vertical reinforcing bar access ports left open, prior to grouting, and prior to pouring concrete lintels and bond beams.

Application of the Supercoat™ Coating System shall be carried out by experienced and skilled PPCS (Proprietary Plaster Cladding Standards) Registered Tradesmen, registered with Superbuild International Ltd, to fully comply with all Superbuild International Ltd warranty requirements and to best trade practice.
No plastering shall be undertaken during wet weather or when the ambient temperature is outside the range of 10°C to 30°C or is likely to be outside this range until the plaster has cured.
All Supercoat™ products must be protected from rain for the first 24 hours, and from hot dry winds and direct sunlight for the first 16 hours to aid curing.
Mask off window and door joinery, other fixtures and finished work before the coating system is applied.

All cutting, jointing, fixing, sealing and finishing techniques shall be exactly as recommended by the manufacturer.  All work shall be such as to leave a neat, efficient, structurally sound and weathertight installation.

**1.3.6. Delivery & Handling**

Store Supercrete™ Blocks on the delivery pallets, clear of the ground on a flat, even and level surface - do not stack pallets more than two high - keep materials and products dry and protected from damage and contamination at all times.
Store Supercoat™ reinforcing mesh, compounds and finishes under cover out of direct sunlight, keep dry and protect from damage and moisture at all times.
Do not used damaged or faulty materials or products, or products that are beyond their designated shelf life.  Reject damaged blocks and contact Superbuild International Ltd for replacement.

Handle all products and materials in accordance with the manufacturer's requirements and in a manner that prevents damage or deterioration to the material.  Do not lay Supercrete™ Blocks in wet conditions.
Installers and applicators shall be familiar with and comply with the manufacturer's Material Safety Data Sheet precautions for use, and use appropriate safety gear when handling materials.
Cut and drill Supercrete™ Blocks outside in open air or in a well-ventilated space.

**1.3.7. Preparation**

Check that edge-rebates to the concrete slab/footing are correctly formed to the dimensions shown on the drawings.  Carry out any remedial work to ensure that the rebates are clean, straight and true to line and level, and free of ridges, irregularities and defects before the Supercoat™ Tanking Membrane is applied.
Check that the concrete surface where an interior block wall is to be constructed is clean, straight and true to line and level, and free of ridges, irregularities and defects - carry out any remedial work to the surface as necessary.
Check that all movement control joints/saw cuts in the floor slab are located to the layout and dimensions shown on the drawings.

Supercrete™ Block vertical reinforcing bar holes - refer to Installation.

**1.3.8. Installation**

Construct Supercrete™ Block masonry walls exactly in accordance with the Supercrete™ Block Design & Installation Guide and as shown on the approved design drawings.
As shown on the drawings; confirm the layout and location of all Supercrete™ Block walls, vertical reinforcing bars, movement control joints and any specific blockwork detailing requirements.
Supercrete™ Block shall be laid in a stretcher bond pattern, maximum 10mm overhang along slab/footing edges, and minimum 100mm overlap of lower-course vertical joints, and with full masonry bonding at corner junctions - except where a control joint is required.
Blockwork construction at 'T' junctions shall be as shown on the drawings (overlapped masonry or butt jointed).
All Supercrete™ Blocks shall be fully bonded to adjacent blocks with Supercoat™ Superbond Adhesive, except at movement control joints.
Apply Supercoat™ Tanking Membrane to non-vertical Supercrete™ Block exterior surfaces and details in accordance with the manufacturer's literature.

Prior to laying Supercrete™ Blocks, accurately set-out the walls and the locations of all vertical reinforcing bars in the slab/footings to the layout and dimensions shown on the drawings.
Drill the reinforcing holes to the required depth and thoroughly clean with high pressure air to remove dust and for maximum bonding when the bars are epoxied in.  Temporarily plug the holes immediately after drilling to prevent any contamination from tanking and blocklaying.  Where a hole is drilled beyond the specified installation tolerance, obtain written direction from the Architect/Engineer before drilling a new hole(s).

Seal the concrete slab/footing edge-rebates of exterior block walls with Supercoat™ Tanking Membrane and allow to cure.

Lay the DPC slip layer over the sealed concrete rebate for exterior block walls and over the concrete slab for interior block walls - overlap DPC joints to ensure that all blockwork will be completely separated from the concrete slab/footing structure.  Where the DPC slip layer covers pre-drilled holes for vertical reinforcing bars, check that the centre of each hole is marked on the slab to ensure accurate alignment of the reinforcing cores as the blocks are laid.

Cut the reinforcing bar access ports (wedges) in the base course blocks to suit the location of each reinforcing bar hole.  Retain wedges and re-install later, after inspection and before grouting, flush with the block-face with Supercoat™ Superbond Adhesive.

Lay the base course blocks in to a 10mm - 20mm thick levelling bed of Supercoat™ Superbase Render Mortar, laid over the DPC slip layer - with nominal 3mm thick perpend joints fully adhered with Supercoat™ Superbond Adhesive and struck flush.
Accurately level the base course true to line and level with vertical reinforcing bar access ports aligned over the pre-drilled reinforcing holes in the slab/footing.

Pre-drill subsequent course blocks to suit the location of the reinforcing bars to accurately form a vertically aligned, plumb and true hollow core in the blockwork centred on the width of the block (wall thickness).
Lay subsequent block courses true to line, level and plumb, with blocks jointed 2mm - 3mm and fully adhered with Supercoat™ Superbond Adhesive with a notched trowel.  Finish adhesive joints flush and even with the block faces removing any excess adhesive and droppings as each block is laid.

Form window and door opening lintel, jamb and sill profiles as detailed on the drawings using Supercrete™ Block facing blocks.  Adhesive-fix pre-formed facing blocks, sill blocks, decorative bands and trim with Supercoat™ ACC Superbond Adhesive - tack blocks and trim in-place until the adhesive has set.

Form movement control joints to the locations and details shown on the drawings and with control joint ties centred over the joint at every second course.  Vertical control joints shall be nominal 10mm wide and spaced at maximum 6000mm intervals on any single wall element, and shall be in accordance with Supercrete™ design requirements for wall intersections and corner junctions and when adjacent to window and door openings.  Finish movement control joints with the specified flexible sealant applied over a PEF backing rod or, alternatively, fill the gap with expanding foam and finish with a PVC pre-meshed control joint moulding.

Build in all necessary bolts, ties, metal flashings, dowels, fastenings and fixings required by this and other work sections.
Carefully form any necessary pipe, conduit or other services penetration through the Supercrete™ Block with an even 10mm margin all round.  Seal the penetration flush to the block surface with the specified flexible sealant over a PEF backing rod before the plaster is applied.  Neatly seal around the penetration and over the sealant with a butynol rubber boot sealed to the penetration with flashing tape and to the block with Supercoat™ Tanking Membrane.

Only install vertical reinforcing bars when the top block course has been laid.  Flush out any dust and debris from the core with water.  Feed the bar down the core and into the slab/footing hole and epoxy the bar into the slab hole with epoxy adhesive as specified on the design drawings.  Ensure that the bars are tied into the bond beam reinforcement or, if tying into a floor above, protrude beyond the top course or bond beam as detailed.  Close off the access ports with the retained cut wedges placed in the same location that they were taken from.  Finish the wedges flush with the block face in preparation for grouting.

Allow all blockwork adhesive and re-bar epoxy grout to fully cure before grouting the vertical reinforcing bars in place with 17.5MPa flowable, non-shrink grout in strict accordance with Supercrete™ Block requirements.

Form concrete bond beams at inter-storey junctions and over the top block course with reinforcing steel and Supercrete™ Block facing blocks as detailed.

Finish Supercrete™ Block AAC Masonry at openings, soffits, parapets, etc., and at junctions with other building elements exactly as detailed.

Complete the Supercrete™ Block Construction Checklist.  Carry out an inspection and complete any necessary preparatory work to the completed blockwork construction - including Supercoat™ Tanking Membrane applied directly to the rebates and sills of window and door openings, meter box openings, etc., prior to applying the selected Supercoat™ plaster finish.

Choose one of the following Coating Systems A, B, C or D

**A Tuscana Classic Supersponge (1mm or 2mm)**

**1.3.12 Supercoat Texture Coating System**

Choose one of the following paragraphs

Supersponge 1mm

Supercoat™ Base Coat System with Supersponge 1mm Texture Coat.  A light textured sponge finish, external plaster coating system applied to properly prepared Superpol™ EPS Cladding in accordance with the Supercoat™ Coatings Systems Technical Manual.

Supersponge 2mm

Supercoat™ Base Coat System with Supersponge 2mm Texture Coat.  A light textured sponge finish, external plaster coating system applied to properly prepared Superpol™ EPS Cladding in accordance with the Supercoat™ Coatings Systems Technical Manual.

**1.3.13 Coating System 1st Coat**

**Mesh Reinforced Key Coat.**  To clean, dry Superpol™ EPS Panels apply a 3mm - 4mm thick coat of Supercoat™ Multitex, and while still wet lightly embed Supercoat™ Grid Mesh reinforcing and finish as required.  Reinforce sills with a double layer of mesh, and reinforce corners of openings and pipe penetrations with Supercoat™ Sticky mesh reinforcing butterflies set at 45° angle and centred on the corner or pipe.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.14 Coating System 2nd Coat**

Choose one of the following paragraphs

Superbuild Render

**Base Coat.**  Apply a 3mm - 4mm thick coat of Supercoat™ Superbuild Render over the reinforced key coat that completely hides the embedded grid mesh and finish to a straight and true surface free from hollows and deviations.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

Superbase Render

**Base Coat.** Apply a 3mm - 4mm thick coat of Supercoat™ Superbase Render over the reinforced key coat that completely hides the embedded grid mesh and finish to a straight and true surface free from hollows and deviations.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.15 Coating System 3rd Coat**

Choose one of the following paragraphs

Supersponge 1mm

**Texture Coat.**  Apply a 1mm - 3mm thick coat of Supercoat™ Supersponge 1mm over the base coat and float finish to a uniform, light-textured pattern.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.  Allow the texture coat to fully cure, then seal with one coat of Supercoat™ Surface Sealer before the specified protective coating is applied.

Supersponge 2mm

**Texture Coat.**  Apply a 2mm - 4mm thick coat of Supercoat™ Supersponge 2mm over the base coat and float finish to a uniform, light-textured pattern.  Allow the texture coat to fully cure, then seal with one coat of Supercoat™ Surface Sealer before the specified protective coating is applied.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.16 Coating System 4th Coat**

**Sealing Coat.**  Apply one full coat of Supercoat™ Surface Sealer to the dry texture coat by brush, roller or airless spray, to a minimum 25 micron Dry Film Thickness, and allow to dry before applying the specified protective coating.  Do not apply Supercoat™ Surface Sealer at temperatures below 10°C or if it is likely to drop below 10°C during drying time.

**1.3.17 Coating System 5th Coat**

**1st Paint Coat** - Supercoat™ Acrylic Exterior Paint (as described in the Paint Description clause).  Applied by brush and roller, or airless spray.  Tinted to the required colour.  First coat applied over a fully sealed and dry texture coat to a minimum 25 micron Dry Film Thickness.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.18 Coating System 6th Coat**

**2nd Paint Coat** - Supercoat™ Acrylic Exterior Paint (as described in the Paint Description clause).  Applied by brush, roller, or airless spray.  Tinted to the required colour.  Second coat applied over a dry first coat to a minimum 25 micron Dry Film Thickness.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.19 Supercoat™ Exterior Paint**

**Help Note:**

The following options are available for Supercoat™ Acrylic Exterior Paint:-
**Product Range**:  'Platinum Series Exterior Paint', 'Elastoshield Exterior Paint' and 'Supershield Teflon Plus Exterior Paint' - refer to the [Supercoat™ Coating Systems Technical Manual](http://www.supercoat.co.nz/technical/SCSTM2011.pdf) for further information.
**Gloss Level**:  The above paints are available for exterior use in Low Sheen only.
**Colour**:  Consult the local Superbuild™ Distributor for range of colours currently available.

Edit the clause to specify the Product Range and Colour.

**Supercoat™ Acrylic Exterior Paint Description:**

**Product range:** Supercoat™ . . .
**Gloss level:**  Low Sheen
**Colour:**

**1.3.20 Completion**

Check that the Superpol™ EPS Cladding System has been installed correctly, and that the Supercoat™ Coating System has been correctly applied and finished.  Check that all surfaces, edges, corners, rebates, angles, reveals, and drips are true to line, plumb, level, and to the details shown on the drawings.  Check that all control joints and penetrations are sealed and completed correctly.
Check for damaged and defective work - replace or repair as necessary.
Ensure that the work of other trades does not negatively impact on or reduce the minimum clearances required by the NZ Building Code, between the cladding and ground, roof and/or deck junctures.

Leave this work complete and weathertight in accordance with Superpol™ requirements.
Leave completed works and surrounding surfaces clean and free of rubbish and debris.  Remove all rubbish and excess material from the site.

Issue to the Owner a copy of the Superbuild Ltd maintenance requirements.
Provide the Superpol™ Installer Producer Statement and the Superpol™ Coating Applicator Producer Statement.

**B Tuscana Classic Superadobe**

**1.3.12 Supercoat™ Texture Coating System**

Supercoat™ Coat System with Superadobe Texture Coat.  A light textured, sponged or trowelled undulating surface finish, external plaster coating system applied to properly prepared Superpol™ EPS Cladding in accordance with the Supercoat™ Coatings Systems Technical Manual requirements.

**1.3.13 Coating System 1st Coat**

**Mesh Reinforced Key Coat.**  To clean, dry Superpol™ EPS Panels apply a 3mm - 4mm thick coat of Supercoat™ Multitex, and while still wet lightly embed Supercoat™ Grid Mesh reinforcing and finish as required.  Reinforce sills with a double layer of mesh, and reinforce corners of openings and pipe penetrations with Supercoat™ Sticky mesh reinforcing butterflies set at 45° angle and centred on the corner or pipe.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.14 Coating System 2nd Coat**

Choose one of the following paragraphs

Superbuild Render

**Base Coat.**  Apply a 3mm - 4mm thick coat of Supercoat™ Superbuild Render over the reinforced key coat that completely hides the embedded grid mesh and finish to a straight and true surface free from hollows and deviations.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

Superbase Render

**Base Coat.** Apply a 3mm - 4mm thick coat of Supercoat™ Superbase Render over the reinforced key coat that completely hides the embedded grid mesh and finish to a straight and true surface free from hollows and deviations.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.15 Coating System 3rd Coat**

**Texture Coat.**  Apply a variable 4mm - 8mm thick coat of Supercoat™ Superadobe over the base coat and sponge or trowel finish to an undulating surface pattern.  Allow the texture coat to fully cure, then seal with one coat of Supercoat™ Surface Sealer before the specified protective coating is applied.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.16 Coating System 4th Coat**

**Sealing Coat.**  Apply one full coat of Supercoat™ Surface Sealer to the dry texture coat by brush, roller or airless spray, to a minimum 25 micron Dry Film Thickness, and allow to dry before applying the specified protective coating.  Do not apply Supercoat™ Surface Sealer at temperatures below 10°C or if it is likely to drop below 10°C during drying time.

**1.3.17 Coating System 5th Coat**

**1st Paint Coat** - Supercoat™ Acrylic Exterior Paint (as described in the Paint Description clause).  Applied by brush and roller, or airless spray.  Tinted to the required colour.  First coat applied over a fully sealed and dry texture coat to a minimum 25 micron Dry Film Thickness.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.18 Coating System 6th Coat**

**2nd Paint Coat** - Supercoat™ Acrylic Exterior Paint (as described in the Paint Description clause).  Applied by brush, roller, or airless spray.  Tinted to the required colour.  Second coat applied over a dry first coat to a minimum 25 micron Dry Film Thickness.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.19 Supercoat™ Exterior Paint**

**Help Note:**

The following options are available for Supercoat™ Acrylic Exterior Paint:-
**Product Range**:  'Platinum Series Exterior Paint', 'Elastoshield Exterior Paint' and 'Supershield Teflon Plus Exterior Paint' - refer to the [Supercoat™ Coating Systems Technical Manual](http://www.supercoat.co.nz/technical/SCSTM2011.pdf) for further information.
**Gloss Level**:  The above paints are available for exterior use in Low Sheen only.
**Colour**:  Consult the local Superbuild™ Distributor for range of colours currently available.

Edit the clause to specify the Product Range and Colour.

**Supercoat™ Acrylic Exterior Paint Description:**

**Product range:** Supercoat™ . . .
**Gloss level:**  Low Sheen
**Colour:**

**1.3.20 Completion**

Check that the Superpol™ EPS Cladding System has been installed correctly, and that the Supercoat™ Coating System has been correctly applied and finished.  Check that all surfaces, edges, corners, rebates, angles, reveals, and drips are true to line, plumb, level, and to the details shown on the drawings.  Check that all control joints and penetrations are sealed and completed correctly.
Check for damaged and defective work - replace or repair as necessary.
Ensure that the work of other trades does not negatively impact on or reduce the minimum clearances required by the NZ Building Code, between the cladding and ground, roof and/or deck junctures.

Leave this work complete and weathertight in accordance with Superpol™ requirements.
Leave completed works and surrounding surfaces clean and free of rubbish and debris.  Remove all rubbish and excess material from the site.

Issue to the Owner a copy of the Superbuild Ltd maintenance requirements.
Provide the Superpol™ Installer Producer Statement and the Superpol™ Coating Applicator Producer Statement.

**C Tuscana Classic Acrylic Texture (1mm or 2mm)**

**1.3.12 Supercoat Texture Coating System**

Choose one of the following paragraphs

Acrylic Texture 1mm

**Supercoat™ Base Coat System with Acrylic 1mm Texture Coat.**  A light textured finish, external plaster coating system applied to properly prepared Superpol™ EPS Cladding in accordance with the Supercoat™ Coatings Systems Technical Manual requirements.

Acrylic Texture 2mm

**Supercoat™ Base Coat System with Acrylic 2mm Texture Coat.**  A medium textured finish, external plaster coating system applied to properly prepared Superpol™ EPS Cladding in accordance with the Supercoat™ Coatings Systems Technical Manual requirements

**1.3.13 Coating System 1st Coat**

**Mesh Reinforced Key Coat.**  To clean, dry Superpol™ EPS Panels apply a 3mm - 4mm thick coat of Supercoat™ Multitex, and while still wet lightly embed Supercoat™ Grid Mesh reinforcing and finish as required.  Reinforce sills with a double layer of mesh, and reinforce corners of openings and pipe penetrations with Supercoat™ Sticky mesh reinforcing butterflies set at 45° angle and centred on the corner or pipe.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.14 Coating System 2nd Coat**

Choose one of the following paragraphs

Superbuild Render

**Base Coat.**  Apply a 3mm - 4mm thick coat of Supercoat™ Superbuild Render over the reinforced key coat that completely hides the embedded grid mesh and finish to a straight and true surface free from hollows and deviations.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

Superbase Render

**Base Coat.** Apply a 3mm - 4mm thick coat of Supercoat™ Superbase Render over the reinforced key coat that completely hides the embedded grid mesh and finish to a straight and true surface free from hollows and deviations.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.15 Coating System 3rd Coat**

**Sealing Coat.** Apply one full coat of Supercoat™ Surface Sealer to the dry base coat by brush, roller or airless spray, to a minimum 25 micron Dry Film Thickness, and allow to dry before applying the specified texture coat.  Do not apply Supercoat™ Surface Sealer at temperatures below 10°C or if it is likely to drop below 10°C during drying time.

**1.3.16 Coating System 4th Coat**

Choose one of the following paragraphs

Acrylic Texture 1mm

**Texture Coat.** Prior to application ensure that the base coat has been sealed with Supercoat™ Surface Sealer and that the sealer is dry.
Apply an even coat of Supercoat™ Acrylic Texture 1mm over the sealed base coat, and float finish to a uniform, 1mm thick (aggregate size), light-textured pattern.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.  Allow the texture coat to fully cure before the specified protective coatings are applied.

Acrylic Texture 2mm

**Texture Coat.**  Prior to application ensure that the base coat has been sealed with Supercoat™ Surface Sealer and that the sealer is dry.
Apply an even coat of Supercoat™ Acrylic Texture 2mm over the sealed base coat, and float finish to a uniform, 2mm thick (aggregate size), light-textured pattern.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.  Allow the texture coat to fully cure before the specified protective coatings are applied.

**1.3.17 Coating System 5th Coat**

**1st Paint Coat** - Supercoat™ Acrylic Exterior Paint (as described in the Paint Description clause).  Applied by brush and roller, or airless spray.  Tinted to the required colour.  First coat applied over a dry acrylic based texture coat to a minimum 25 micron Dry Film Thickness.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.18 Coating System 6th Coat**

**2nd Paint Coat** - Supercoat™ Acrylic Exterior Paint (as described in the Paint Description clause).  Applied by brush, roller, or airless spray.  Tinted to the required colour.  Second coat applied over a dry first coat to a minimum 25 micron Dry Film Thickness.  Do not apply if temperature is below 10°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.19 Supercoat™ Exterior Paint**

**Help Note:**

The following options are available for Supercoat™ Acrylic Exterior Paint:-
**Product Range**:  'Platinum Series Exterior Paint', 'Elastoshield Exterior Paint' and 'Supershield Teflon Plus Exterior Paint' - refer to the [Supercoat™ Coating Systems Technical Manual](http://www.supercoat.co.nz/technical/SCSTM2011.pdf) for further information.
**Gloss Level**:  The above paints are available for exterior use in Low Sheen only.
**Colour**:  Consult the local Superbuild™ Distributor for range of colours currently available.

Edit the clause to specify the Product Range and Colour.

**Supercoat™ Acrylic Exterior Paint Description:**

**Product range:** Supercoat™ . . .
**Gloss level:**  Low Sheen
**Colour:**

**1.3.20 Completion**

Check that the Superpol™ EPS Cladding System has been installed correctly, and that the Supercoat™ Coating System has been correctly applied and finished.  Check that all surfaces, edges, corners, rebates, angles, reveals, and drips are true to line, plumb, level, and to the details shown on the drawings.  Check that all control joints and penetrations are sealed and completed correctly.
Check for damaged and defective work - replace or repair as necessary.
Ensure that the work of other trades does not negatively impact on or reduce the minimum clearances required by the NZ Building Code, between the cladding and ground, roof and/or deck junctures.

Leave this work complete and weathertight in accordance with Superpol™ requirements.
Leave completed works and surrounding surfaces clean and free of rubbish and debris.  Remove all rubbish and excess material from the site.

Issue to the Owner a copy of the Superbuild Ltd maintenance requirements.
Provide the Superpol™ Installer Producer Statement and the Superpol™ Coating Applicator Producer Statement.

**D Supersmooth Lime Finish (Natural)**

**1.3.12 Supercoat™ Texture Coating System**

**Supercoat™ Supersmooth Lime Base Coat System with Supersmooth Lime Finish Texture Coat - (natural, unpainted finish)**.  A smooth textured finish, external plaster coating system applied to properly prepared Supercrete™ CIWS Panels in accordance with the Supercoat™ AAC Coatings Systems Technical Manual requirements.

**1.3.13 Coating System 1st Coat**

**Sealing Coat.**  Apply one full coat of Supercoat™ Surface Sealer to a dry and clean substrate by brush, roller or airless spray, to a minimum 25 micron Dry Film Thickness, and allow to dry before applying the specified base coat.  Do not apply Supercoat™ Surface Sealer at temperatures below 10°C or if it is likely to drop below 10°C during drying time.

**1.3.14 Coating System 2nd Coat**

**Combined Base & Float Coat**.  Prior to application ensure that the substrate has been sealed with Supercoat™ Surface Sealer and that the sealer is dry.
To a fully sealed and dry substrate, apply a 18mm - 20mm thick coat of Supercoat™ Supersmooth Lime Base and, while still wet during the coating build-up, fully embed Supercoat™ Grid Mesh reinforcing and finish to a straight and true surface free from hollows and deviations.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.  Allow the combined base/float coat to fully cure before the texture coat is applied.

**1.3.15 Coating System 3rd Coat**

**Texture Coat.**  Apply a 2mm - 3mm thick coat of Supercoat™ Supersmooth Lime Finish over the Supersmooth Lime combined base and float coat and trowel finish to a uniform, smooth, textured finish.  Do not apply if temperature is below 5°C or above 30°C or is likely to be outside these limits before the coat is fully cured.

**1.3.16 Completion**

Check that the Supercrete™ Commercial & Industrial Wall System has been installed correctly, and that the Supercoat™ Coating System has been correctly applied and finished.  Check that all surfaces, edges, corners, rebates, angles, reveals, and drips are true to line, plumb, level, and to the details shown on the drawings.  Check that all control joints and penetrations are sealed and completed correctly.
Check for damaged and defective work - replace or repair as necessary.

Leave this work complete and weathertight in accordance with Supercrete™ requirements.
Leave completed works and surrounding surfaces clean and free of rubbish and debris.  Remove all rubbish and excess material from the site.

Issue to the Owner a copy of the Superbuild Ltd maintenance requirements.
Provide the Supercrete™ Installation Producer Statement and the Supercrete™ Coating Applicator Producer Statement.