

Sto Specifications

## Coatings Specification over 50mm Helix Panel

### Substrate Details

Base Coat Render	Unitex Aero Render
Applicable Texture Coating	Unitex 333 Texture
Coating	Protective Top Coat

**For detailed information on Sto Products, Systems and Warranties, please contact:**

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## Construction / Detailing

### Responsibility

All works in this section shall be the responsibility of the Main Contractor, unless previously agreed in writing. Sto Australia Pty Ltd accepts no responsibility for defective workmanship in relationship to the application of the Unitex system, or for defects in the design, construction, or condition of the building, either as built or in relation to the works.

The Main Contractor is to ensure that they are fully conversant with exterior legislation requirements, the project specifications and details, current **AAC Panel & Unitex** specification ([www.unitex.com.au](http://www.unitex.com.au)) and any specific installation requirements relating to the Main Contractors responsibilities before any works commence. If there are any substitution of products or systems, the Main Contractor is to provide Builder with Unitex written, site-specific specifications. Before any works commence, the Main Contractor is to supply on-site, a 2m<sup>2</sup> to 5m<sup>2</sup> sample of the complete system for the Builders approval for substrate adhesion, build thickness, and finish quality.

The Main Contractor is also responsible for the various subcontractors to ensure that all items relating to substrate adhesion, weather tightness, penetrations and dissimilar material junctions affecting the construction system are strictly in accordance with project specific details, manufacturer's instructions and Unitex specification details i.e. items such as roofs, soffits, openings, lights & security fittings, electrical wiring, flashings, deck membranes dissimilar junctions etc. that abut, flash or penetrate the system.

The Main Contractor shall also ensure that all work is only carried out by competent contractors able to deliver the finished Unitex System, in accordance with the project drawings, manufactures details and Unitex specification details.

Note: If the Main Contractor has the opinion that the specification is not suitable for site conditions, the Builder and Unitex must be consulted with the concerns prior to any works commencing. i.e. Specifying a non-cavity system where a cavity system would be more suitable.

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### Substrate Construction

The **substrate** will be expected to be installed according to manufacturers, architect and engineering specifications and shall be inspected prior to application by the Main Contractor, and any variations from specifications or requirements communicated in writing to the Builder prior to the commencement of Unitex System works.

The substrate surface must be cleaned free of any grease, oils, scaling laitance, efflorescence, form-oil compounds, mould, fungi, rust, dirt, dust or any other foreign matter. Pre-painted surfaces must be wire-brushed back to the bare substrate, or a Hatch Test performed to assess coatability.

All surfaces **MUST** be suitably prepared for the Unitex System installation.

Prior to works commencing, check the surface is level and straight in all directions. If the substrate contains expansion joints, care should be taken to ensure they are maintained.

Note: If substrate installation and quality is doubtful the **Substrate Manufacturers Representative** should be contacted for a site inspection and approval before any work is undertaken.

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### Preparation

If the Builder has not protected adjoining surfaces, i.e. windows and frames etc, the Main Contractor must protect all other surfaces prior to works commencing.

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### Scaffolding

The scaffolding must be installed according to the requirements of all local and safety authorities, providing suitable access for the Main Contractor to complete the project to the required standards.

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### Control Joints

All expansion, control and cosmetic joints are to be nominated by and are the responsibility of the builder. Only Builders, and the Builders nominated engineer / architect etc. and base system provider can predict likely building and surface effect movement. An allowance for more, rather than less expansion/contraction joints provides the greatest opportunity for a quality finish by the applicator and prevention of structural movement cracking. Structural movement cracking is not covered by Unitex product warranty.

## Unitex® Coatings Process over 50mm Helix Panel

### STEP 1: Base Coat

#### Unitex Cembond



**Application Method:** Brush & Roller

**Product Coverage:** 50-70 m<sup>2</sup>

**Dry Coating Thickness:** N/A

**Drying Time:** 1 Hour – touch dry



1. Coat entire surface with Unitex Cembond as required and/or wash down walls to ensure dust/powder free.

### STEP 2: Levelling Coat

#### Unitex Aero Render



**Application Method:** Trowel

**Product Coverage:** 4-7 m<sup>2</sup>

**Dry Coating Thickness:** 3mm to 5mm

**Drying Time:** approx. 72 Hours (must achieve less than 12% WME moisture content)



2. Apply one – two coats of Unitex Aero to entire surface. Allow to dry to 12% WME. Into the still wet base coat of render, embed Unitex Fibreglass mesh to entire surface

### STEP 3: Texture Coat

#### Unitex 333 Texture



**Application Method:** Trowel/Float

**Product Coverage:** 10-12 m<sup>2</sup>

**Dry Coating Thickness:** N/A

**Drying Time:** approx. 72 Hours (must achieve less than 12% WME moisture content)



3. Apply one coat of Unitex Texture to entire surface and allow to dry to 10-12%WME.

### STEP 3: Protective Coat – As Required

#### Unitex PTC as required



**Application Method:** Brush/Roller

**Product Coverage:** 45 m<sup>2</sup>

**Dry Coating Thickness:** .2mm

**Drying Time:** approx. 48 Hours (must achieve less than 12% WME moisture content)



4. Apply a recommended minimum of two coats of Unitex coloured PTC where required i.e. within 1km of breaking surf and over low LRV colours – see Unitex for specific details

## Unitex® Product Information, TDS and MSDS documents:

All Unitex® products are thoroughly documented, and Technical Data Sheets and Material Safety Data Sheets are available through your Sto Technical Representative, or via the Unitex® websites: [www.unitex.com.au](http://www.unitex.com.au) and [www.render.com.au](http://www.render.com.au)

## Disclaimer

The information contained in this specification is based on our experience, testing and certification representing the latest information at the date of documentation and is given in good faith. No responsibility is undertaken for use of this information outside of Sto Australia Pty Ltd parameters given substrates and site conditions are outside our control. Where a contractor applies Sto Australia Pty Ltd purchased products in accordance with the specifications, SDS, TDS and a Sto Australia Pty Ltd Warranty document is available when the project has been completed according to Sto Australia Pty Ltd written documentation. Sto Australia Pty Ltd reserves the right to alter or update information and formulations at any time without prior notice.

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