SPECIFICATION- FC SHEET (Core Filled)

Chase full meshed specification for the coating of commonly encountered core filled fibre-cement building products. (Concrete core filled FC sheet constructions, AFS Logicwall, Ritek XL)

Warranty

7 or 10 years from time of application.

When applied in accordance with the above specification, Chase will provide a 7 or 10 year materials warranty against peeling and delamination. This warranty does not cover workmanship or product failure caused as a result of hydrostatic pressure, entrapped moisture or structural/substrate/joint movement.

See warranty for details.

Substrate Preparation General

Substrate/base boards/panels should be installed in strict accordance with substrate manufacturer's technical documentation. Acrylic paints, primers, and textured finishes not to be applied to any substrate with a moisture content of greater the 10% wood moisture equivalent (WME), or with an alkalinity reading (pH) of greater than 10. Ensure sufficient curing period for cement-based surfaces has been reached.

All surfaces must be clean and free from any impurities which may adversely affect the bond strength of primers, renders and applied finishes.

All horizontal surfaces such as, fence caps and windowsills must be installed with a minimum 10 degree fall to facilitate drainage of water and eliminate ponding.

Ensure all capping and weatherproofing has been installed to ensure moisture cannot attack the finished coating from within the wall system and ensure all down pipes are reconnected after render/coating application.

Substrate Preparation Specific

Raw/unsealed FC/MgO/Composite sheet must first be primed prior to application of coating system. Unsealed sheet may have a loose, micro fibrous surface finish which will inhibit adequate surface adhesion of the specified base coat.

Factory sealed base sheet may not require priming. Check with manufacturer prior to coating.
Substrate Preparation Specific

Control Joints

Control/movement joints must be positioned and detailed as per substrate manufacturer’s recommendation.

Control/movement joints must not be bridged by the base coat or finish coat system.

Unless otherwise specified by substrate manufacturer or consulting engineer, Chase requires the placement of control/movement joints at 5 metre (maximum) centres and at stress points such as in line with openings (window / doors), at all horizontal multi-levels, and at all interfaces of non-identical building construction materials

LRV (Light Reflectance Value)

Dark colours must be avoided to reduce risk of thermal cracking in the coating system caused by severe heat build-up.

Selected colour must have an LRV (Light Reflectance Value) greater than 45%. Consult Chase to seek confirmation of colour suitability.

Priming

Apply with brush, roller or suitable spray equipment to all unsealed surfaces prior to application of base render. Allow primer to dry to a non-tack finish prior to over-coating.

Not required where surface if factory pre-primed with a compatible product. Check with a manufacturer for details.

Do not thin this product prior to application

Trims & Angles

For install of all external metal angles, trims, and expansion trims.

Refer to product data sheet prior to use. Trowel Dri-Patch onto panel and embed aluminium/fibreglass combination angles into wet material.

Skim over ensuring mesh is no longer visible. All trims must be embedded and meshed into the wall by minimum of 100 mm.

Allow to dry thoroughly prior to application of base render.

Basecoat - Fibre Reinforced

Clean surface thoroughly, ensuring all contaminants are removed from the surface prior to rendering.

Create a base mix by preparing Chase (Macpatch) Coarse/Chase EPS Render blend at a 50/50 ratio.

Prepare 20kg of Chase EPS Render with 3-4 litres of clean water to acheive correct trowelling consistency. Split into 2x15L pails and top up each half pail with 7.5L Chase (Macpatch coarse). Blend thoroughly to acheive a homogenous mix.

Apply site mixed Chase (Macpatch) Coarse/Chase GP Render Coarse to the panel at a thickness of approximately 3 mm, embedding 1200 mm (ARFG) alkali resistant fibreglass reinforcing mesh lightly into the wet material surface across the entire wall area. Where FC sheets meet, ensure a minimum 100 mm overlap is provided.
Some contractors prefer to use an angled 8 mm notched trowel to better gauge the application thickness.

Ensure mesh is embedded near the face of the render and not pressed against the substrate surface itself. Once embedded, trowel over the mesh, ensuring it is fully embedded.

The use of self-adhesive reinforcing mesh is not acceptable.

Try to keep taped joints as flush with the surface as possible to reduce the risk of ridges along the joints in the finished coating.

Once sufficiently firm, apply a further skim coat and float to a suitable surface finish ready to accept the application of the selected textured coat.

Allow to dry a minimum 4 days prior to overcoating.

Textured Finish

Refer to product data sheet prior to application.

Prior to selection of colour, check this document thoroughly for mention of LRV restrictions (i.e. application of dark colours).

Apply selected trowel-on or roll-on textured finish in selected colour as per product specific product data sheet. Allow to dry for a minimum 24 hours prior to painting.

Hard dry may take longer than 24 hours under extremely damp, moist, or humid conditions.

Membrane

Refer to product data sheet prior to application.

Prior to selection of colour, check this document thoroughly for mention of LRV restrictions (i.e. application of dark colours).

With roller or suitable spray equipment, apply two coats of Chase Satin Flex 100% acrylic membrane in selected colour.

Cutting-in prior to coating application may result in “picture framing”. Always cut in just ahead of or during main application, maintaining a “wet-edge” at all times.

Two (2) coats required.

Disclaimer

Chase, its staff and distributors will not accept responsibility for any failure caused as a result of factors beyond our control including but not limited to onsite handling, preparation or application of this product.

Application of this product should only be performed by qualified trades people trained in the use of this type of product. Information supplied in this publication is based on our testing and experience and is given in good faith.

Where used outside of the scope detailed above, suitability of this product should be independently determined prior to use.

Chase will not warrant job defects caused as a result of but not limited to, structural/substrate movement or entrapped moisture. Building movement and structural dynamics is beyond the scope and control of Chase. Accordingly, stresses and joint/substrate movement cannot be contained by the application of the decorative finished detailed in the above specification.

In some circumstances, surface undulations, joints and panel deformation may be visible under glancing light conditions. This will result in the sun casting visible shadows over the joints in the wall. These imperfections may be extremely difficult to detect during application or at all other times. Glancing light occurs at certain times of the day when the sun’s rays are nearly parallel to the surface. This will cause the casting of long and exaggerated shadows across the wall surface, most evident across taped or reinforced joints. As hand applied finishes are always susceptible to the minor undulations which cause these effects, glancing light issues are outside the control and/or scope of this specification.

Chase shall not be liable for surface staining, degradation or loss of adhesion resulting from contact with moisture from behind the face of the finished coating. Ensure capping’s and downpipes are installed/replaced immediately after the application of the render/coating.
Colour change is a natural part of the weathering of applied finishes and is excluded from warranty terms.
Sufficient quantity of texture coating or paint/membrane required to complete a project must be purchased in a single order to minimise the risk of colour and or texture inconsistency. Always cross-batch drums on site prior to application to optimise colour/texture uniformity