

SPECIFICATION- AAC CONCRETE FINISH

Application of Chase products Render and Suede finish to aerated concrete (AAC) panels. (Applies to Hebel Panels, Loxo/ Nasahi Panels)

Warranty

7 years from time of application.

When applied in accordance with the above specification, Chase will provide a 7 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 than 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

To prevent poor hydration of base coat render in hot/dry conditions, walls may be slightly dampened to reduce excessive suction. Ensure moisture content of less than 10% wood moisture equivalent (WME).

Fill any holes and repair panel imperfections with suitable AAC patching compound ensuring base is suitable for application of a thin base render.

Allow repaired sections to dry fully before rendering. If panels are misaligned, make good by removing high spots with an AAC levelling plane or sanding float.

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

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Basecoat - Fibre Reinforced

Refer to product data sheet prior to use.

Mechanically mix Chase GP Render Coarse powder with approximately 3 - 4 litres of potable water. Allow to stand for 2 minutes then re-blend prior to application.

Apply Chase GP Render Coarse with a trowel or angled 6 mm notched trowel. Overlay with fibreglass mesh and work lightly into the wet render ensuring surface is fully covered. Ensure mesh is sitting near the render surface, not close to the substrate surface.

Overlap fibreglass mesh junctures by 100 mm minimum. Ensure render surface finish is suitable for the application of a second coat of render.

Corners at openings including window and door frames must be diagonally reinforced with 400 mm x 200 mm fibreglass bandages embedded in the first Chase GP Render Coarse coat. This is in addition to the full fibreglass mesh embedded in the first render coat.

Basecoat - Fibre Reinforced

Refer to product specific data sheet prior to application of base coat.

Apply a base coat of Chase GP Render Coarse with a trowel at a thickness of approximately 2-4 mm.

Float to a finish suitable for the application of the selected topcoat.

Textured Finish

Suede is formulated to provide a thin, smooth trowel finish. For this reason, the surface should be well prepared to accept a 1 mm finishing coat.

Suede is best applied in two (2) very thin coats. The first coat is applied to the rendered surface with a steel trowel at a thickness of approximately 0.6 mm. Spread to achieve a uniform, smooth coating trying not to leave excessive trowel marks. Allow the material to harden sufficiently so that it is no longer sticky to the touch. Apply the second coat, wet-on-green, or wet-on-dry, at around 0.6 mm in thickness and trowel as smooth as possible. The material should then be allowed to harden sufficiently (no longer sticky to touch) so that it feels slippery under the trowel. If the material still feels grippy under the trowel, it must be left longer prior to finishing. At this point, it can be *lightly* polished flat with a wet steel trowel.

Water may be *sparingly* misted onto the surface to aid the finishing process. Caution should be taken to avoid over-working or over-watering of drying or sticky material. Hard pressure should not be applied until hard set. Overworking and application of excessive water can lead to surface peeling/bubbling during the application process.

Final polishing with a steel trowel can generally be completed for some time after hard set has been attained. Total thickness of the finished Suede coating should be approximately 1.5 mm. Avoid application in hot windy conditions as accelerated drying may result in shrinkage cracking, lack of proper mechanical strength development and difficulty in finishing. Moisten porous surfaces with clean water prior to application if rapid set is occurring.

Note: As Suede FC is applied and finished by hand, undulations in the surface may be seen during times of extreme glancing light. In some situations, ultra-fine hair cracks may appear (usually only noticeable for a brief period whilst damp). These effects are considered part of the natural character of the product, and are not deemed a product or application fault

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Membrane

Refer to product data sheet prior to application.

With roller or suitable spray equipment, apply two coats of Chase Aqua shield. Cutting-in prior to coating application may result in “picture framing”. Always cut in during main application, maintaining a “wet-edge” at all times. Roll off excess material to minimise risk of surface blemishes in finished coating.

Two (2) coats required. 7 year warranty applicable.

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 finishes 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 cappings 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