

## SPECIFICATION- CONCRETE ROUGHCAST FINISH

Application of roughcast render finish to concrete blockwork constructions. (Applies to: Concrete tilt panel and Formwork Constructions)

### Warranty

7 or 10 years from time of application. See notes.

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 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

Remove grease, form oils and release agents. Any mould or moss must be removed with a suitable mould treatment.

Mechanically abrade all shiny surfaces. Exposed steel such as nails, tie wires or spacing bars lying on or very close the surface should be coated with a suitable rust inhibiting treatment to prevent rust stains potentially causing coating system failure.

Clean the surface thoroughly with a suitable detergent by scrubbing thoroughly with a stiff bristle broom prior to rinsing clean with fresh water. Check for the presence of Release Agents and Bond Breakers by splashing water onto the substrate, if water beads on the surface then total removal is mandatory. Once washed, reassess using water test and re-wash as required.

In coastal areas, care needs to be taken to wash down all areas to remove surface salts and contaminants. A second wash may be required to remove salts that have migrated to the surface during the initial wash. Prior to application of base coat, ensure moisture content is less than 10% WME (wood moisture equivalent) as measured with a standard moisture meter.

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## **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.

## **Basecoat**

Refer to product data sheet prior to application.

Mix Chase EPS Render with potable water as directed and apply evenly with trowel at a thickness between 3 - 6 mm.

Allow to firm up sufficiently prior to floating to a level surface using a plastic render float

A second coat can be applied if acceptable surface finish has not been achieved in a single coat.

If not over-coating with a further render coat, allow to dry for a minimum 4 days prior to application of a textured finish or membrane.

## **Basecoat**

Refer to product data sheet prior to application.

When applying over a basecoat of Chase EPS Render or Chase GP Render Coarse, mix using a Macbond:water ratio of 1:15.

Apply a second coat of Chase GP Render Medium ensuring a minimum 5 mm combined render thickness has been achieved. Refer to Manufacturer's technical manual for actual specified render thickness.

For roughcast finish, apply a thin coat of Chase GP Render Medium at approximately 2-3 mm in thickness. Whilst still wet, flick Chase GP Render Medium mixed with selected aggregate such as 1/4" minus onto the surface to achieve the desired surface finish. This can be done using a coarse brush or splatter gun.

Control and movement joints must be placed as per manufacturer's technical manual and must not be bridged by the render or texture coating system.

Allow rendered surface to cure for a minimum of 4 days prior to painting.

## **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/Satin Flex acrylic membrane in selected colour.

Cutting-in prior to coating application may result in "picture framing". Always cut in during main application, maintaining a "wet-edge" at all times.

Two (2) coats required. 7 year warranty applicable for Satin with 10 year warranty applicable for Satin Flex.

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## **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