



## APPLICATION

All specified work must be carried out by a member of the Rendertek Plaster Systems licensed contractors network.

## MAINTENANCE

The wall cladding system should be regularly cleaned, at least annually, by washing with clean water to remove dirt and to maintain the finish appearance. Grime may be removed with warm water and detergent.

Regular checks, at least annually, must be made of the system to ensure that the weather resistant coating is maintained watertight, and that the sealant, flashings, and other joints continue to perform their function to ensure that water will not penetrate the cladding. Failure to correctly maintain the system may void any long-term warranties offered with the system. Any accidental damage to the cladding must be repaired immediately. The clear Fase wash needs to be applied every 5-7 years. For further information regarding maintenance please refer to Rendertek Plaster Systems Ltd plaster care technical data sheet.

## SAFETY PRECAUTIONS

The potential irritant nature of the plaster dust (in dry powder form or from subsequent cutting of the hardened product) is recognised. Dust masks and other adequate precautions must be taken when handling and in mixing the plaster. The wet plaster is highly alkaline and prolonged skin contact must be avoided.

## WARRANTY

**System guarantee period – 15 years from date of practical completion**

**Workmanship guarantee period – 5 years from date of practical completion**



## RENDEKTEK QUALITY ASSURANCE

Rendertek Plaster Systems are installed by Certified Applicators and Rendertek registered Licensed Building Practitioners guaranteeing building code compliant materials are used and application meets building code standards.

## WARRANTY

**System Guarantee Period – 15 years** from date of practical completion

**Workmanship Guarantee Period – 5 years** from date of practical completion

On completion of Rendertek projects, a full warranty will come into effect to cover the Rendertek Plaster System and workmanship to protect the property and provide peace of mind for the homeowner. The property will enter into the Rendertek database and the homeowner can make contact with a Rendertek Representative if any concerns are raised to organise a Quality Assurance check. This check will ensure that all elements of the Rendertek Plaster System are performing correctly.

## Check will include the following:

- ✓ Building façade
- ✓ Control joints and junctions
- ✓ Flashings and seals

## Rendertek Plaster Systems 2019 Ltd

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[www.celcrete.co.nz](http://www.celcrete.co.nz)

# RENDEKTEK NOVACOLOR PLASTER SYSTEM



The collision between Architecture and concrete has resulted in the logical fusion of traditional materials with creative design.

Celcrete and Rendertek have teamed up with the largest decorative plaster company in the world. Making it possible for the innovative fusion of the most premium plasters and cutting edge artisan plaster techniques that will revolutionize the way we look and think about exterior and interior surfaces

## Rendertek Plaster Systems 2019 Ltd

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# RENDETEK NOVACOLOR PLASTER SYSTEM



## 1.0 Introduction

This system outlines the process of plaster application over the full Celcrete Cladding and system on a 20mm or 40mm cavity in harmony with Concrete by Novacolor as the finish. Note; while Celcrete is the recommended sub-straight, this particular system is also suitable to go over other certified sub-straight such as concrete block.

Concrete by Novacolor has been specifically formulated to suit Australia and New Zealand demands and conditions, designed to achieve concrete effects such as the board form or different types of concrete venetian finishes. Thanks to the acrylic binder and the siloxane component, Concrete By Novacolor grants the ability to flex while staying hard on the surface, resistance to algae and any wet conditions.

The particular grain curve of Concrete By Novacolor and the possibility to overlap it with one or more layers of Fase Silossanica, ensures the ability to achieve concrete effects without creating a shine like many sealers do.

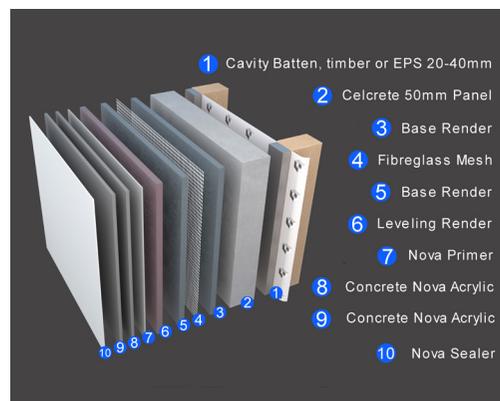
## 2.0 Pre-Plastering Requirements

Plaster sub-strights must be installed in strict accordance with the manufacturer's specifications and recommended procedures. Signed approval must be given by the manufacturer of the panel and block system to certify that it has been installed according to their detailed instructions and requirements prior to plastering commencing.

Plastering cannot commence until; all the exterior walls are plumb, level and in true alignment, waterproofing is completed, pipe penetrations are in place, joinery is installed, flashings have been installed and the waterproofing elements around all penetrations have been checked and signed off above.

## Specification

This specification is for the installation of Rendertek Plaster System and Concrete by Novacolor finishing system. This system has been specially designed to provide an aesthetically pleasing, crack resistant plaster coating to the exterior walls of Celcrete panel, concrete block or concrete constructions.



## 3.0 Finish Sample

Sample boards will be provided to the owner or main contractor in the specified finish and colour outlined by the designer before the project will commence at their request.

## Materials

### PLASTER COMPONENTS PVC REVEAL BEAD

6mm PVC window bead flashing to be installed by plasterer upon commencement of plastering.

### BASE COAT

**RENDETEK Base Coat** – A specially blended polymer modified cement-based plaster compound supplied in 25kg bags used to imbed the alkali-resistant fibreglass mesh. To be applied a minimum of 3mm thick. A second coat is then applied for final levelling.

### LEVELLING PLASTER

**RENDETEK 1mm Sponge** – A polymer modified cement-based plaster that is applied with a steel float to achieve a level finish that is as smooth as possible.

used in commercial or industrial situations should be considered at design stage an appropriate protection, such as bollards or barriers, should be provided for vulnerable areas.

### REINFORCING MESH

**Mesh alkali** – resistant scrim with a nominal 4x4mm aperture weighing no less than 152g/m<sup>2</sup>. All mesh must overlap by a minimum of 50mm at all joints. All corners are reinforced with PVC corner beads with 100x100mm mesh. The likelihood of impact damage when used in commercial or industrial situations should be considered at design stage an appropriate protection, such as bollards or barriers, should be provided for vulnerable areas.

### PRIMER

**Nova Primer** – a water-based acrylic sealer which ensures insulating and bonding performances even if in contact with highly alkalinity plaster coatings. One coat watered down by up to 50% and applied with a roller or spray – gun.

### CONCRETE BY NOVACOLOR

**Concrete By Novacolor** – is an anti-algae acrylic-siloxane plaster coating for exteriors, fine grain (0.5-0.7mm). Pre mixed 20kg buckets.

**A two coat process that is applied initially with a steel or plastic float, finally while still slightly wet using the 'trowel for archi concrete' the desired effect is achieved.** The particular grain curve of Concrete By Novacolor and the possibility to overlap it with one or more layers of Fase Silossanica, acryl-siloxane colour wash (matt), ensures to achieve cutting-edge elegant concrete effects.

### SEALER

**Fase Silossanica** – is a transparent vehicle made of acrylic and styrene copolymers, siloxane resins and special additives. The particular formulation of Fase Silossanica allows the application on multiple supports. In this case concrete by Novacolor. It allows achievement of vibrant transparent chromatic effects, with the possibility to obtain different nuances and shades depending on the colours and on the application technique while helping to seal and preserve the life of the plaster.

### HANDLING & STORAGE OF MATERIALS

Handling and storage of all materials during delivery or on site is the responsibility of the Rendertek licensed contractor. Dry storage must be provided on site for the fibreglass mesh and all bags of dry mix plaster.

### CONSTRUCTION INFORMATION GENERAL

This coating system must not be used in situations where water may pond. A minimum slope of 15 degrees is required on all sills and capings. This system must not be used as a roof cladding. Particular attention to detail and workmanship must be given to the weatherproofing details contained in the technical literature relating to flashing and sealing building penetrations or junctions with other building materials.

The minimum heights of finished floor level above adjoining ground level, and minimum horizontal clearances from adjoining ground, shall comply with the requirements of NZS 3604:1999 and NZBC E2/AS1. The owner must maintain these minimum dimensions.

It is the designer's responsibility to ensure that the choice and position of the joinery will minimise stress upon the jamb sealant details by minimising expansion and contraction of the window and door joinery.



### PIPES/OUTLETS/FIXING BLOCKS

Before plastering begins all the plumbing that will penetrate the cladding system must be in place. If the plumbing work can't be finished prior to plastering, short sections of pipe must be installed through the wall so that they can be sealed in place before plastering commences. This also applies to meter boxes, outside taps, certain light fittings, etc...

### EXTERNAL MOISTURE

This system is not designed as a water proofing element for junctions between dissimilar materials. Its job is to provide an aesthetically pleasing, crack resistant surface coating. Note should be taken of the requirements of NZS3604 Section 11.6.1.1. requiring full details of weather sealing systems at openings to be forwarded to the Territorial Authority for approval. Where sealant is used, note should be taken of the requirements of Section 11.6.1.1. (d) of NZS3604 with regard to sealant exposure and ease of replacement.

### CONSTRUCTION JOINTS

Construction Joints must be provided according to the manufacturers design criteria. All construction joints must be in place and must be waterproof prior to plastering commencing.