

# Stone Façade Cladding System

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## **Product and System Installation Requirements**

The installation of the Gripset system should be carried out in strict accordance with relevant & current **Technical Data Sheets (TDS)**. All other materials used in conjunction with the Gripset range of products must be compatible and approved by their manufacturer.

**All building elements are to be constructed as per relevant NZBC requirements.**

## **1. Substrate Preparation**

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Substrates must be structurally sound, stable, installed as per manufacturers recommendations and in line with relevant building standards in force at the time of the installation. Surfaces must be smooth, dry and clean. Rough surfaces, voids, hollows, and surface depressions to be evened or filled first and all brick/block surfaces to be pointed flush. All movement joints to be filled with appropriate flexible sealant. All general surface defects, including cracks, must be filled, and repaired with appropriate, approved materials. All surfaces must be free of sharp protruding objects, loose material, de-bonded or existing coatings. Curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats, grease remains and any contaminants that could compromise the adhesion of the overlaid system must be removed. Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blasting, blast tracking, grinding, high-pressure cleaning or equivalent methods. Concrete is to be cured for a minimum of 28 days, screeds and renders are left to cure for at least 16 days before application of Gripset systems. For surfaces other than concrete and masonry, advice from the manufacturer must be sought to determine appropriateness of the selected substrate material. Examples such as compressed cement sheet, fibre cement sheet and autoclaved aerated concrete (AAC) generally have limitations such as the height of installation, weight of tiling, degree of exposure to weather, and the need for mechanical fixing. Tile and stone systems must be installed as per AS3958 and substrates thoroughly inspected prior to commencing installation. The following items must be considered; Deflection, flatness, surface profile, plumbness, porosity, suitability of substrate, moisture content and maximum deadloads. It is recommended to seek advice from a relevant building professional as required.

**1 | Page** *Disclaimer:* All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

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## 2. Detailing System

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### **BRW PF 80mm Tape:**

Multi-purpose, self adhesive, waterproof tape, designed for detailing and flashing a variety of surfaces.

### **Elastoproof Base Collars:**

Waterproof Elastic sleeves for sealing floor and wall penetrations

### **Elastoproof Joint Band:**

Waterproof Elastic joint band for sealing floor and wall joints

### **SB Sealant:**

High performance flexible sealant/adhesive

### **Installation**

- Install BRW PF Tape to any required perimeter wall/wall or wall/floor junctions, including door/window, reveals.
- Install BRW PF Tape over all structural sheeting abutments
- Control joints are to be treated with a backing rod followed by SB sealant.
- Install Elastoproof Joint Bands over treated control joints. Expected movement must not exceed 10mm.
- Install Elastoproof Base Collars to seal the perimeter of penetrations and protrusions, including pipes, cables and general fixtures.
- Areas to receive detailing components must be primed with gripset GP primer
- Elastoproof detailing items to be fixed to the substrate by embedding into a liberal, wet coat of Gripset liquid membrane.

## 3. Priming System

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### **Gripset 11Y Slurry**

High adhesion latex cementitious sealing slurry to promote adhesion and provide water resistant properties

### **Mixing**

Measuring parts based on volume, mix 1 part of cement + 1 part of fine wash sand + 1 part of Gripset 11Y.

- Stir slowly to form a slurry consistency and allow 3-4 minutes to settle before lightly re-stirring.

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## Installation

- Apply slurry by brush or roller over complete Façade to be stone cladded
- Apply slurry to window and door thresholds, soffits and returns when applicable
- Apply slurry over any parapet wall capping where applicable

## Coverage

- Brush, broom or squeegee apply to form a thickness of 0.5- 1.0mm.
- Coverage of 11Y additive is approximately 1 litre of Gripset 11Y per 3m<sup>2</sup>

## 4. Membrane System

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### Gripset 2P

2 component, latex cementitious membrane

### Installation

- Apply membrane by brush or roller to total slurry coated surfaces
- Turn membrane up and seal to pipes, penetrations and fixtures

**Coverage:** Apply 2 coats at total minimum coverage of 1.5litres per m<sup>2</sup> forming a 1.2mm dried film thickness

**Note:** allow 24hrs Cure prior to the installation of tile

## 5. Stone/Tiling System

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### Gripset C-Mastic

High strength, high performance, polymer modified cement-based tile adhesive  
C2S1 Classification

### Gripset 11Y

SBR concentrate additive, enhances flexibility, adhesion and waterproofing properties to cement based compounds including, Renders, Screeds, Grouts and tile adhesives.

### Mixing

Gripset C-Mastic 20kg bags require 5.6 litres of water. When mixing use a clean pail and ensure clean water is used. Add the dry powder to water. Using an electric stirrer with paddle, mix until the powder and water form a consistent lump free mixture, add 350ml Gripset 11Y and combine. Allow the adhesive to settle for 2-3 minutes, lightly re-stir.

Note: A maximum of 10% Coloured oxide may be added to C-Mastic. Oxide to be added to dry powder prior to mixing with water.

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## **Application**

Apply the adhesive to the surface using a 15mm notch trowel ensuring minimum 90% adhesive coverage to a bed thickness of 5mm. Wet on wet application is also recommended to achieve wet on wet, back butter rear of stone for notch trowel application or skim walls for hand fix /Thick bed method . Tiles are to be firmly pressed into the freshly applied adhesive bed. It is recommended to slide the tile at a right angle to the notch lines ensuring minimum 90% coverage is reached on rear of stone/tiles. Back of stone/tiles are to be free from any dust, resins, oils and other contaminants and fixed as per manufacturers instructions, AS3958 A Guide To The Installation of Ceramic Tiles and BRANZ Tiling Good Practice Guide.

Stone/Tile Weight is not to exceed 80kg per m<sup>2</sup>.

**Note:** For applications exceeding 2m in height it is recommended to install stainless steel L-profile mechanically fixed horizontally every 1.6m, fixings to be sealed with Gripset BRW PF Tape.

All fixing details provided are as a guide and is not to be interpreted as professional engineering advice.

For further details contact Gripset technical support at [techenquiries@gripset.com](mailto:techenquiries@gripset.com)

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