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## **SPECIFICATION**

March 2014

### **MASONS PLASTATEK MONOTEK RENDER SYSTEM**

*For work to be done and materials to be used in carrying out the works shown on the accompanying drawings*

*(Project name)*

*(Project address)*

*(Owners Name)*

<i>Job Number:</i>	<i>Date:</i>
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## 1.1 Preliminary

This section deals with **Plastatek** which is a fibre cement sheet jointing and coating system specifically designed for **Monotek Cladding**. It provides a very strong, durable meshed joint and thick flat plastered walls with an attractive durable finish.

### 1.2 Compliance

#### (a) Durability

The work covered by this part of the specification has been designed and constructed to achieve a minimum durability of 15 years.

#### (b) On Going Maintenance Instructions

Provide ongoing maintenance instructions required to meet the performance requirements of the NZBC B2 Durability.

### 1.3 Related Documents

(a) Documents referred to in this section are:

NZBC B2: Durability

(b) **Masons** literature & information available from **Masons Product Manual**.

You can view copies of our literature at:

Web: [www.mpb.co.nz](http://www.mpb.co.nz)

Telephone: 0800 522 533 or 09 414 7551

Fax: 09 414 7553

#### (c) Manufacturers Documents

Plastabrick documents relating to work in this section are: **Plastatek Product Manual**. Materials and execution to **Plastatek** specification except where varied by this specification and supported by architectural detailing.

#### (c) Abbreviations

The following abbreviations are used throughout this part of the specification:

- LRV: Light Reflectance Value
- MPNZA: Master Painters New Zealand Association

### 1.4 Substitutions

Substitutions are not permitted to any specified **Masons Exterior Plaster Cladding System**.

### 1.5 Qualifications

Only applicators that are licensed to apply the **Masons Exterior Plaster Cladding System** will be able to receive the necessary guarantees & producer statements.



## 1.6 Documentation

### *(a) Product Finish.*

If requested, provide a sample panel of the selected finish texture, for approval.

### *(b) Product System Maintenance.*

Provide **Masons Maintenance Guide** to the building owner.

### *(c) Safety Requirements*

Obtain from **Masons** the material safety data sheets for each product. Keep sheets on site and comply with the required safety procedures.

Follow OSH & ERMA Guidelines at all times regarding Site safety, Regulations & Guidelines.

### *(d) (d) Producer Statement*

The applicator is responsible to provide the Building Consent Authority with a Producer statement for the installation and application of the products.

## 1.7 Warranties

### *(a) Manufacturers Material Warranty*

Warrant this part of the work under normal environmental and use conditions against failure of materials and execution. The plaster system is warranted as follows:

- Materials: 15 years from date of practical completion issued by **Masons**.

## 4.8 Products

### **Materials (please delete what's not required)**

#### *(a) Masons Plastaseal*

**Masons Plastaseal Sealer** used in a diluted form to assist with controlling suction during plaster application.

#### *(b) Masons Meshing Render Fine*

A specially blended polymer modified cement based plaster compound.

#### *(c) Masons Meshing Render*

A specially blended polymer modified cement based plaster compound.

#### *(d) Masons 1 mm*

Factory mixed polymer modified cement based finishing plaster. Refer to selections for texture and colour.

#### *(e) Masons Adobe*

Polymer modified, cement based plaster. Refer to selections for texture and colour.



*(d) Masons Premium Build*

**Masons Premium 100% acrylic Hi Build paint, Valspar Granosite, Dulux Acratex, or Resene X200 or equivalent**, compatible with cement based plaster and suitable for textured surfaces.

#### **4.9 Accessories**

*(a) Flashings*

Head jamb sill and any other required flashings made from powder coated aluminium or uPVC supplied by main contractor for both recessed and faced fixed timber, aluminium and uPVC joinery to NZBC and masonry construction requirements.

*(b) Corner and Base Beads*

Pre-meshed uPVC corner, base and edge beads.

*(c) Fibre Glass Mesh*

150 gsm alkali-resistant fibreglass woven mesh to comply with EIMA 101.9 test No. 6.3 and ASTM E2098, suitable for residential and light commercial projects.

*(d) Masons Control Joints and Inter-Storey Joint*

**Masons** uPVC control joint and inter-storey joint.

*(e) Sealant*

BRANZ appraised modified MS sealant.

#### **4.10 Plaster Care**

##### **Conditions**

*(a) On Site Service*

Ensure all plaster is delivered dry & undamaged.

*(b) Storage*

Ensure dry storage on site, stack carefully, protect from the elements & any other damage.

*(c) Plastering Conditions*

Carry out plastering to **Masons** specification only.

#### **4.11 Preparation**

Before application of plaster, ensure all joinery, pipes, roofs and all areas likely to be marked by the plaster are protected by drop cloths, masking tapes & ground covers to keep the working areas clean. Clean spillage immediately.



*(a) Surface Substrate*

Only commence work when substrate is complete: i.e. openings, apertures, pipes, fixtures, fixing pads & plugs have been fixed. All defects in substrate must be rectified prior to application of plaster.

*(b) Flashing and Detailing*

Ensure that all Flashing and Detailing comply with **Masons Flashing Guidelines**. Carry out to the required standard of execution to NZBC E2/AS1 to ensure water does not penetrate.

*(c) System Construction*

Before commencing work ensure the layout of expansion joints, and other visual detailing is correct.

## 4.12 Application

*(a) Monotek Sheet Preparation*

All substrates must be clean, dry and free from dust laitance moss or mould. A coat of **Masons Plastaseal Sealer** must be rolled on over all sheet surfaces to reduce suction when plastering.

*(b) Jointing Application*

150 gsm Masons mesh alkali resistant fibreglass jointing tape is embedded in the joints using **Masons Meshing Render Fines**, mixed using **Masons Masonry Bond** as per the specification on the label. Joints which are not rebated should be ground out then resealed using **Masons Plastaseal Sealer**. Corners should be plastered using pre-meshed corner mouldings.

*(c) Mesh Render and Mesh Coat*

The mesh coat is applied to the entire wall after the jointing has cured. The wall is covered with an approximately 2 mm thick layer of **Masons Meshing Render** and the 150 gsm fibre glass mesh embedded into it. The mesh drops are butt joined as long as the joints are closer than 200 mm from a sheet joint running in the same direction. It is permissible for a mesh joint to cross a sheet joint at a 90 degree angle. If closer than 200 mm to a sheet joint running parallel then the mesh joint should be overlapped by a 40 mm minimum.

*(d) Finishing Plaster*

To all exterior plastered surfaces apply one coat of the selected texture finish, gauging to the thickness of the aggregate size and finished off with a plastic trowel or sponge to the requisite pattern.

*(e) Paint System*

Apply one coat of **Masons Limestop Plaster Sealer** and then apply two coats **Masons Premium Build 100% Acrylic Latex Paint** to the exterior plastered surfaces. **Allow a minimum of 3 days for the cement plaster to dry before the application of the paint system.**



### 4.13 Completion

#### *(a) Cleaning*

Remove debris, unused materials and elements from the site relating to plaster system application. Replace damaged, cracked or marked elements. Leave the whole of this work to the required standard.

#### *(b) Final Inspection*

A final inspection by project assessor of the entire finished plaster system to take place immediately after completion of the application work and any defects or subsequent damage made good immediately.

### 4.14 Selections

#### *Plastabrick Masonry System*

Location:	[Fill in as applicable]
Substrate:	[Fill in as applicable]
Primer Coat:	Masons Plastaseal
Jointing System:	Masons Meshing Render Fines Plaster with 150 gsm Masons Fibre Glass Mesh
Mesh Coat:	Masons Meshing Render Plaster with 150 gsm Masons Fibre Glass Mesh
Levelling Coat:	Skimming Render
Control Joints:	Masons UPVC mouldings
Finishing Plaster:	Selected Masons Texture
Texture:	[Fill in as applicable]
Paint:	Masons Premium Build & Lime-Stop Plaster Sealer
Coats:	3 coats (including Limestop)
Colour:	[Fill in as applicable]