

# SPECIFICATION S4

OCTOBER 2011 PlastaTEK Monotek System



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

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*(Project name)*

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*(Project address)*

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*(Owners Name)*

<i>Job Number:</i>	<i>Date:</i>
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## PLASTATEK MONOTEK SYSTEM

### 4.1 Preliminary

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Plastatek is a fibre cement sheet jointing & coating system specifically designed for Monotek Cladding. It provides a very strong, double meshed joint & thick flat plastered walls with an attractive durable finish. BRANZ Appraisal No 598 (2008)

### 4.2 Compliance

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- 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.

### 4.3 Related Documents.

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- a) *Documents Referred to*  
Documents referred to in this section are:
- NZBC B2: Durability
  - BRANZ: Appraisal Certificate – **Masons Plastabrick** Jointing & Coating System #598 (2008).
- b) *Manufacturer's Documents*  
**Masons Plastabrick** documents relating to work in this section are:
- **Masons Plastabrick** Product Manual and Technical Data Sheets

You can view copies of our literature at::

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

Telephone: 09 414 7551

Fax: 09 414 7553

### 4.4 Abbreviations

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

LRV: Light Reflectance Value

MPNZA: Master Painters New Zealand Association

### 4.5 Substitutions

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Substitutions are not permitted to any specified **Masons Plastabrick** render system.

### 4.6 Qualifications

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Only applicators that are licenced to apply the MASONS PLASTABRICK plaster render systems will be able to provide the necessary guarantees & producer statements.

## 4.6 Documentation

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- a) *Finish Sample*  
If requested, provide a sample panel of the selected finish texture for approval.
- b) *Product System Maintenance*  
Provide **Masons Plastabrick** maintenance guide to the building owner.
- c) *Written Warranty & Producer Statement*  
Provide the Building Consent Authority the **Masons Plastabrick** Producer Statement compiled by Applicator
- d) *Safety Requirements.*  
Obtain from **Masons Plastabrick** 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

## 4.7 Warranties

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### Manufacturers Warranty

Applicators warranty their work against faulty workmanship in the application of  
Plastabrick Products, under normal environmental conditions and use for a period of **five** years.  
The plaster system is warranted as follows:

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

## 4.8 Products

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- **Materials**
  - a) *Masons Plastabrick Plastaseal*  
**Masons Plastabrick** Plastaseal used in a diluted form to assist with controlling suction during plaster application.
  - b) *Masons Plastabrick Meshing Render Fine*  
A specially blended polymer modified cement based plaster compound
  - c) *Masons Plastabrick Meshing Render*  
A specially blended polymer modified cement based plaster compound
  - d) *Masons Plastabrick 1mm*  
Factory-mixed polymer modified cement based finishing plaster. Refer to SELECTIONS for texture and colour
  - e) *Masons Plastabrick Adobe*  
Polymer modified, cement based plaster. Refer to SELECTIONS for texture and colour
- **Paint.**

- a) *Masons Plastabrick Premium Build*  
**Plastabrick Premium Build** 100% acrylic latex paint, compatible with cement based plaster and suitable for textured surfaces.

## 4.9 Accessories

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- 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.
- 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) *Plastabrick Control Joints and Inter-Storey Joint*  
**Masons Plastabrick** uPVC control joint and inter-storey joint.
- e) *Sealant*  
BRANZ appraised modified MS sealant.

## 4.10 PLASTER CARE

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### 5 Conditions

- a) *On Site Service*  
Ensure all plaster is delivered dry and undamaged.
- b) *Storage*  
Ensure dry storage on site, stack carefully, protect from the elements and any other damage.
- c) *Plastering Conditions*  
Carry out plastering to **Masons Plastabrick** specification only.
- d) *Preparation*  
Before application of plaster, ensure all joinery, pipes, roofs and any areas likely to be marked by plaster are protected by drop cloths, masking tape and ground covers to keep the working areas clean. Clean spillage immediately.
- e) *Substrate*  
Only commence work when substrate is complete: i.e. openings, apertures, pipes, fixtures, fixing pads and plugs have been fixed.  
All defects in substrate must be rectified prior to application of plaster.

- f) *Flashing and Detailing*  
Ensure that Flashing & Detailing comply with **Masons Plastabrick** flashing guidelines. Carry out to the required standard to ensure water does not penetrate.
- g) *Confirm Layout*  
Before commencing work ensure the layout of expansion joints, and other visual detailing is correct.

#### 4.10 **Plastatek Plaster System.**

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- a) *Monotek Sheet Preparation*  
All substrates must be clean dry and free from dust laitance moss or mould. A coat of **PLASTASEAL** must be rolled on over all sheet surfaces to reduce suction when plastering.
- b) *Mixing Ratio*  
e.g Water to Plaster - If plaster is too dry due to lack of required water it will lack adhesion. The water hydrates the admixes, therefore, render is to be left to sit for **10** minutes after the first mixing.
- c) *Jointing Application*  
150gsm Quickmesh alkali resistant fibreglass jointing tape is embedded in the joints using **Masons PLASTABRICK MESHING RENDER FINES**, mixed using **Masons PLASTABRICK MASONRY BOND** as per the specification on the label. Joints which are not rebated should be ground out then resealed using **PLASTASEAL**. Corners should be plastered using pre-meshed corner mouldings.
- d) *Mesh Render & Mesh Coat*  
The mesh coat is applied to the entire wall after the jointing has cured. The wall is covered with an approximately 2mm thick layer of **Masons Plastabrick Meshing Render** and the 150gsm Fibre Glass mesh embedded into it. The mesh drops are butt joined as long as the joints are closer than 200mm 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 200mm to a sheet joint running parallel then the mesh joint should be overlapped by 40mm minimum.
- e) *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.
- f) *Curing*  
Render should be protected from hot drying winds and direct sunlight for the first 16 hours. Protect newly applied render from rain and water runoff for the first 24 hours. Allow 1 day per mm of render as a drying period.
- g) *Paint System*  
Apply one coat of Limestop plaster sealer and then Apply two coats **Masons Plastabrick Premium Build** 100% acrylic latex paint to the exterior plastered surfaces. Allow a minimum of 1 day per mm for the cement plaster to dry before the application of the paint system.

## 4.11 Completion

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- 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.

## 4.12 SELECTIONS

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- a) *PLASTATEK Plaster System*
- Location: .....
  - Substrate: .....
  - Primer coat: **PLASTASEAL**
  - Jointing System: **Meshing Render Fines Plaster with 150gsm Fibre Glass Mesh**
  - Mesh coat: **Meshing Render Plaster with 150gsm Fibre Glass Mesh**
  - Levelling coat: **Skimming Render**
  - Control joints: **Masons Plastabrick uPVC mouldings**
  - Finishing plaster: **Selected Plastabrick Texture**
  - Texture: .....
  - Paint: **Masons Plastabrick Premium Build (2 Coats)**  
**& Lime-Stop plaster sealer (1 Coat)**
  - Paint coats: **Three**
  - Colour: .....