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SPECIFICATION

MASONS PLASTABLOCK™

XRV™ & BLOCK - Plaster 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)

Job Number:	Date:
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1.1 Preliminary

This section deals with **Masons PlastaBlock Polystyrene Block System** that will provide an R-Value of 1.0.

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.

1.3 Related Documents

(a) Documents referred to in this section are:

- NZS 4210 – Masonry construction: Materials and workmanship
- NZBC B2 – Durability
- AS 1366.3 – Rigid cellular plastic sheets for thermal insulation – rigid cellular polystyrene – moulded (RC/PS – M)
- AS 1366.3 – Rigid cellular plastic sheets for thermal insulation – rigid cellular polystyrene – moulded (RC/PS – E)
- NZS 4229:1999 – Concrete Masonry Buildings not requiring special engineering design

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

You can view copies of our literature at:

Web: www.mpb.co.nz

Telephone: 0800 522 533

(c) Manufacturers Documents

PlastaBlock documents relating to work in this section are: **Masons Product Manual**. Materials and execution to Plastabrick 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:

- EPS: Expanded Polystyrene
- 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) 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**.

1.8 Products

Materials (please delete what's not required)

(a) Plastaseal Meshing Render

Factory mixed plaster coating specially blended acrylic modified cement based plaster compound.

(b) 1 mm Finishing Plaster

Factory mixed polymer modified cement based finishing plaster.

(c) Pre Coloured Texture Finishing Plaster, Acrylic Coating

Factory mixed 100% acrylic plaster

(d) Adobe Finishing Plaster

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

(e) Paint

Masons Extra Cover 100% Acrylic Compatible with cement based plaster and suitable for textured surfaces.



1.9 Accessories

(a) EPS Overlay on Solid Substrate

40 mm thick EPS sheet to AS 1366.3 Class H.

60 mm thick EPS sheet to class S. Sheet quality to comply with AS 1366 Rigid cellular plastic sheets for thermal insulation – Rigid cellular polystyrene

(b) Fasteners

40 mm system: 70 mm x 8 mm Polypropylene Dutch Darts

60 mm system: 90 mm x 8 mm Polypropylene Dutch Darts

(c) Flashings

Head jamb sill and any other required flashings made from powder coated aluminium or uPVC supplied by main contractor for aluminium and uPVC joinery to masonry construction requirements.

(d) Corner and Base Beads

Pre meshed uPVC corner, base and edge beads..

(e) Fibreglass Mesh

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

(f) Sealant

BRANZ appraised modified MS sealant.

(g) Adhesive

Solvent free PVC construction adhesive compatible with EPS and in accordance with **Masons** requirements.

1.10 Plaster Care

Conditions

(a) On Site Service

Keep plaster products dry in transit. Take delivery of plaster products dry and undamaged. Reject all damaged materials.

(b) Storage

Deliver all materials in original unopened packaging with labels intact. Provide dry storage on site, stack carefully, protect from mechanical damage. Keep bagged render off concrete surfaces.

(c) Plastering Conditions

Carry out plastering to **Masons** specification under conditions which will not adversely affect the finished work.



1.11 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 off droppings onto finished work 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 coatings. Ensure that backgrounds and adjoining surfaces are, after the preparation called for in this section, is of the standard required by **Masons**. All mortar joints to be flush finished with all nibs and protrusions ground off by the brick/blocklayer.

(b) Standards and Tolerances

Comply with the tolerances laid down in NZS 4210 Table 2.2. To have no deviation more than 3 mm from a straight edge 1200 mm long.

(c) Confirm Layout

Before commencing work confirm the layout with the owner the position of expansion joints and other visual detailing of the finished work.

1.12 Application

(a) Prepare Surface

Before fixing polystyrene commences, eliminate surface contaminants, remove dust, debris, oils, greases, retarders and loose material. Leave the surface dust free and clean. Make good any defects in the background which may adversely affect the quality of the plaster coating.

(b) Fixing Polystyrene

Cut sheets to 1200 mm x 1200 mm or to fit. Use 1 litre bottle of **Masons Masonry Bond Resin** per mixed bag of **Masons Meshing Render**.

Apply to back of sheet around edges and across centre with 6 mm notched tiling trowel. Place on wall and press firmly. Drill 8 mm hole to the corners and centre of sheet and nail in "Dutch Darts".

(c) Install uPVC Corner, Base and Edge Beads

Install all uPVC corner, base and edge beads necessary and to **Masons** requirements prior to plaster application commencing.

(d) Plastabrick Meshing Render with mesh in

Apply meshing render plaster coat 3 mm minimum. Embed fibreglass mesh into wet plaster. Overlap each successive length by 50 mm minimum. To opening reveals mesh over the uPVC flashings. Apply diagonal reinforcement strips at all corners of windows, doors and other exterior openings.



(e) Skimming Render (optional)

A coat of Skimming Render can be applied in a thin coat to ensure plaster is forced into the surface and then brought out to a flat finish with extra product. This coat is optional. Another coat of meshing render could be substituted for the Skim Coat.

(f) Texture Finish

Apply the coating of the selected texture to the **Masons** recommended techniques and thicknesses.

(g) Cure Finishes

Cure and protect from rapid drying in accordance with the **Masons** requirements.

(h) Paint Finish

Apply one coat of **Masons Limestop Sealer** and two coats of **Masons Premium Build 100% Acrylic 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.**

1.13 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.

1.14 Selections

Concrete Block with EPS Overlay and Plaster System

Location:

Substrate:

EPS Sheets: grade polystyrene

Base Coat: Masons Meshing Render

Meshing: 150 gsm coated Masons Mesh with Masons Pre-Meshed Corner Beads

Levelling Coat: Skim Coat or a further coat of meshing render (optional)

Texture Coat: Masons Lime Stop Plaster Sealer one coat

Paint: Masons Premium Build Paint two coats

Coats: 3 in total

Colour: