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SPECIFICATION

March 2015

MASONS XRV INSULATED PANEL 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 the fixing of **Masons Plastabrick Ltd XRV Insulated Panel System**.

1.2 Compliance

(a) Durability

The work covered has been designed to achieve a minimum durability of 15 years.

Refer to the following:

CODE MARK CERTIFICATE CMA-CM40054 **XRV Insulated Panel Cavity System**

1.3 Related Documents

(a) Documents referred to in this section are:

AS/NZS 1170.2: Structural design actions – wind action

AS 1366.3: Rigid cellular plastics sheets for thermal insulation – Rigid cellular polystyrene – Moulded (RC/PS – M)

AS 1366.4: Rigid cellular plastics sheets for thermal insulation – Rigid cellular polystyrene – Extruded (RC/PS – E)

NZBC B2: Durability

NZBC E2/AS1 External moisture

CODE MARK CERTIFICATE CMA CM40054 – **XRV Insulated Panel Cavity System**

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

You can view copies of our literature at:

Web: www.mpb.co.nz

Tel: 0800 522 533

(c) Abbreviations

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

- EIFS: Exterior Insulation and Finish Systems
- EPS: Expanded Polystyrene Sheet

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

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 Components

XRV Insulated Panels

(a) XRV Insulated Panel: 40, 50 or 60 mm thick panels to AS1366.3 class H.

(b) XRV Insulated Panel: Panel quality to Class S. Sheet quality to comply with AS 1366 Rigid cellular plastic sheets for thermal insulation.

Exterior Wall Cavity Battens

XRV Insulated Panel peel 'n' stick vented poly battens, 50 x 20 mm thick or H3.2 timber battens.

Accessories

Rigid uPVC for head, base, sill and jamb flashings. Corner beads, vented u channels, horizontal and vertical control joints.

1.9 Accessories

(a) Fibre Glass Mesh

Alkali resistant fibreglass woven reinforcing mesh.



(b) Sealant

Neutral cure silicone (paintable) in accordance with **Masons** manual.

(c) Adhesives

Compatible PVC Construction Adhesive, safe for use with XRV panels and in accordance with **Masons** requirements.

1.10 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.

1.11 Preparation

Before application of plaster, apply masking film and tape to 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

Comply with **Masons** penetration 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.

1.12 Application

Openings

Ensure that exterior wall openings have been prepared ready for the installation of all window and door frames and other penetrations through the cladding.

Required preparation work includes the following:



Wall cladding, underlay/building wrap to openings, finished off with flexible flashing tape, ready for the installation of window and door frames and other penetrations

Ensure all flashings and conduits fitted where necessary

(a) Cavity Battens

Self adhesive vented ply battens filled full length to studs to achieve a 20 mm minimum thickness drained cavity. Seal the top of the cavity. Horizontal cavity battens must be no longer than 100 mm. Use cavity spacers where required between cavity battens. Fix additional battens to internal and external corners and around openings to **Masons** standard details.

(b) Penetrations

Fix in place all required uPVC trims, profiles, control joints and flashings. Make sure piping and light fittings area sealed.

(c) Flashing and Accessories

Install flashings to jambs and sill on recessed joinery using **Masons** flashings. Reinforce external corners and bottom edges of XRV panels with uPVC angles and channel extrusions. Fit joinery heads with a head flashing where required.

(d) Polystyrene Sheets, Nailed to Cavity Battens

Ensure all joints and edges are supported fully. Nail with heads flush. Install vermin-proof punched **Masons XRV Insulated Panel** base bead at base of the panels.

(e) Selected Finish

Refer to selected finish for type and colour.

(f) XRV Insulated Panel Mesh Render

Apply meshing render plaster coat 3 mm minimum. Embed fibreglass mesh into the wet plaster. Overlap each length by 50 mm minimum. Mesh over the uPVC flashings on opening reveals. Apply reinforcement strips as per the **Masons** manual.

(g) Texture Finish

Apply the selected plaster as per the **Masons** recommended techniques and thicknesses.

(h) Cure Finish

Protect from rapid drying in accordance with the **Masons** requirements.

(i) Paint Finish

Apply one coat of **Masons Limestop Plaster Sealer** and then two coats of **Masons Premium Build 100% Acrylic Latex Paint** to exterior plastered surfaces. **Allow a minimum of 2-3 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 Selection

XRV Insulated Panels

Thickness/grade: mm H grade panels

Battens

Material: Poly battens

Cavity Base Vent Moulding

Material: uPVC punched base vent bead

Adhesive

Brand: Holdfast Nail-Power, Ultra Bonder PS

Sealant

Brand: Holdfast Fix-All MS Sealant

Reinforcing Mesh

Brand: **Masons Fibre Glass Mesh**

Grade/weight: Not less than 150 g/m² with a 4 mm x 4 mm aperture

Masons Meshing Render

Brand: **Masons XRV Insulated Panel Plaster**



Plaster Finish

Brand Masons 1MM – Finish Texture:

Brand Masons Adobe – Finish Texture: Undulating plaster finish similar to French provincial

style Brand Masons Acrylic texture finish – Finish Texture:

Paint and Colour System

Masons Lime Stop Sealer followed by:

Brand: **Masons Premium Build Paint**

Coats: 3

Colour:

1.15 Products

Finishing Coat

(a) Masons Meshing Render

Specially blended acrylic modified cement based plaster compound.

(b) Masons 1 mm

Specially modified cement based finishing plaster

(c) Masons Adobe Render

Polymer modified, cement based plaster.

Paint

Masons Premium Build 100% Acrylic Paint for cement based plaster and textured surfaces.