



MASONS PLASTABRICK



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SPECIFICATION S2

PlastaBACKA Hardibacka System



of 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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MASONS PLASTABRICK RENDER SYSTEMS

➤ GENERAL

This section deals with **Masons Plastabrick** exterior plaster rendering systems, applied by hand, or pump over **James Hardie Hardibacker** sheets.

▪ Related work

- a) *Related Sections*
Refer to ~ for ~

▪ Building code 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.

▪ Documents

- a) Manufacturer's Documents
Masons Plastabrick documents relating to work in this section are:
Masons Plastabrick Product Manual and Technical Data Sheets
James Hardie technical manual for installation of hardibacker

Materials and execution to **Masons Plastabrick** specification except where varied by this specification and supported by architectural detailing.

Copies of the above literature are available from:

Web: www.masonsplastabrick.co.nz
Telephone: 0800 522 533
Fax: 09 414 7553

- b) *Abbreviations*
The following abbreviations are used throughout this part of the specification:
LRV: Light Reflectance Value
MPNZA: Master Painters New Zealand Association
- c) *No Substitutions*
Substitutions are not permitted to any specified **Masons Plastabrick** render system.
- d) *Qualifications*
Use only applicators licensed to apply the **Masons Plastabrick** render systems.

▪ Documentation

- a) *Finish Sample*
If requested submit one 300 mm x 300 mm standard panel of the selected finish texture and colour for approval. Obtain signature of acceptance on sample and return to the approved applicator.



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- b) *Maintenance Instructions*
Provide **Masons Plastabrick** maintenance instructions before practical completion of the contract for issuing to the building owner.
- c) *Health and Safety*
Refer to the requirements of the Health and Safety in Employment Act and OSH: Guidelines for the provision of facilities and general safety in the construction industry. If the elimination or isolation of potential hazards is not possible then minimise hazards in this work on site by using the proper equipment and techniques as required in the MPNZA Painters hazard handbook. Supply protective clothing and equipment. Inform employees and others on site of the hazards and put into place procedures for dealing with emergencies. Obtain from **Masons Plastabrick** the material safety data sheets for each product. Keep sheets on site and comply with the required safety procedures.
- d) *Producer Statement*
Provide the producer statement compiled by the licensed applicator in the form as required by the Building Consent Authority.
- **Warranties**
 - e) *Manufacturers 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 Plastabrick**
Execution: 7 years from date of practical completion issued by a **Masons Plastabrick** licensed applicator.
- **Performance**
 - a) *Performance*
Accept responsibility for the structural and weather-tight performance of the exterior render application.
 - b) *Protection of New Plaster*
Confirm the protection systems to be applied to fresh plaster coats. Plastering not to begin until systems are confirmed.

➤ PRODUCTS

- Materials (Please delete what's not required)
 - a) *Plastaseal Resin*
Masons Plastabrick Plastaseal must be used to assist with controlling suction during plaster application.
 - b) *Lightweight Basecoat*
A specially blended polymer modified cement based plaster compound
 - c) *Masons Plastabrick Skimming Render*
A specially blended polymer modified cement based plaster compound



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- d) *Plastabrick Imm*
Factory-mixed polymer modified cement based finishing plaster. Refer to SELECTIONS for texture and colour
- e) *Adobe finishing Plaster*
Polymer modified, cement based plaster. Refer to SELECTIONS for texture and colour
- f) *Premium Build Paint*
Masons Plastabrick Premium Build 100% acrylic paint, compatible with cement based plaster and suitable for textured surfaces.

▪ **Accessories**

- a) *Flashings*
Must confirm to the specifications of James Hardie requirements for Hardibacker
- b) *Corner and Base Beads*
Pre-meshed uPVC corner, base and edge beads
- c) *Fibreglass Mesh*
150 gsm alkali-resistant fibreglass woven mesh to comply with EIMA 101.9 and ASTM E2098, suitable for residential and light commercial projects.
- d) *Sealant*
BRANZ appraised modified MS sealant.

➤ **EXECUTION**

▪ **Conditions**

- a) *Delivery*
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 Plastabrick** specification under conditions which will not adversely affect the finished work.
- d) *Protect*
Before application of plaster, apply masking film and tape to all joinery, pipes, roofs and all areas likely to be marked by the plaster. Use drop cloths and ground covers to keep the working areas clean. Clean off droppings onto finished work immediately.
- e) *Substrate*
Do not commence work until openings and apertures have been cut, pipes, fixtures, fixing pads and plugs have been fixed and flashings and other preparations are complete. All defects in substrate must be rectified by the trades applicable 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 Plastabrick**.

- f) *Flashing and Detailing*
Comply with James Hardie specifications and requirements, to the required standard of execution to NZBC E2/AS1 to ensure water does not penetrate.
 - g) *Expansion Joint Layout and Detailing*
Before commencing work confirm the layout of expansion joints and other visual detailing of the finished work. If not certain then please contact a James Hardie representative for details or advice on where expansion joints should be put.
- **Application**
- a) *Prepare Surface*
Before plastering is commenced, eliminate surface contaminants, remove dust, debris, oils, greases, retarders, paint from already painted surfaces 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) *Irregularities*
Report any defects or irregularities in the fibre cement cladding to the main contractor or principal for rectification.
 - c) *Install uPVC Corner, Base and Edge Beads*
Install all uPVC corner, base and edge beads necessary and to **Masons Plastabrick** requirements prior to plaster application commencing.
 - d) *Penetrations*
All penetrations such as waste pipes, electrical wiring in uPVC conduits and metal plumbing piping install with a minimum 5° downward slope, through the plaster system, to be sealed using a double application of MS Silaflex.
 - e) *Exposed Control Joints*
Provide control joints in the plaster to coincide with control joints in the substrate and / or junctions between dissimilar substrates in the same plane and or where shown on the drawings and to **Masons Plastabrick** requirements. Terminate reinforcing mesh each side of control joints. Exposed control joints to be reflected through final coatings from substrate. For further information on control joints contact James Hardie for further details or for technical advice.
 - f) *Pre-Plaster Preparation*
Apply **Masons Plastabrick** Plastaseal resin used in a diluted form to assist with controlling suction during plaster application.
 - g) *Finishing*
Refer to SELECTIONS for type and colour.
- **Plastatek plastering system**
- a) *Hardibacker Sheet preparation*
All substrates must be clean dry and free from dust laitance moss or mould. A coat of Plastaseal resin must be rolled on over all sheet surfaces to reduce suction when plastering.



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- b) *First Coat of Plaster*
10mm of Masons Plastabrick Lightweight Basecoat, filled between polystyrene packers that are removed when plaster is dried. Fill the voids once polystyrene is removed with Masons Plastabrick lightweight Basecoat. Allow the first coat to dry 24hours before applying the mesh coat.
 - c) *Mesh Coat Plaster*
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 Skimming Render Plaster and the 150gsm Fibreglassmesh embedded into it. All mesh should overlap 100mm wherever it joins.
 - d) *Finishing Plaster*
To all exterior plastered surfaces apply one coat of either **1mm, adobe or selected pre coloured texture** tinted to the selected colour applied with a steel trowel, 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 Plastabrick limestop sealer and then two coats of 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.
- **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.

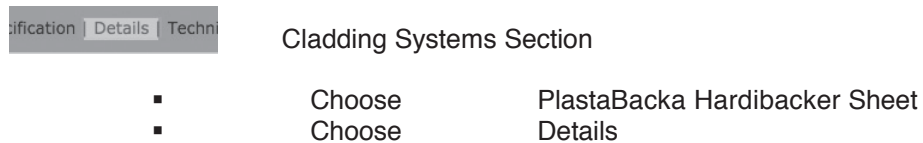
➤ SELECTIONS

- a) *Plastabrick Hardibacka System*
 - Location: ~
 - Substrate: ~
 - Primer coat: **Masons Plastaseal resin**
 - First Plaster Coat: **Lightweight Basecoat Plaster**
 - Mesh coat: **Skimming Render Plaster** with 150gsm **Fibreglass mesh**
 - Levelling coat: ~ (optional)
 - Finishing plaster: ~
 - Texture: ~
 - Paint: Limestop and **Premium Build**
 - Paint coats: ~
 - Colour: ~

Masons Plastabrick PlastaBacka Hardibacker System

Details for this system are available by following the link on our web site
www.masonsplastabrick.co.nz

From the PlastaBacka section of the web site click on the.....



This will then open a link to the James Hardie web site to obtain the drawings for installation.

