

5134H JAMES HARDIE PREFINISHED FIBRE CEMENT LININGS

Masterspec sections must be customised to suit the project being specified, by removing irrelevant information and adding project-specific information and selections.

1. GENERAL

This section relates to the supply and installation of James Hardie prefinished fibre cement sheet, including HardieGlaze™ Lining and Horizon™ Lining products for:

- internal wall linings
- internal ceiling linings

Modify or extend the above description to suit the project being specified.

1.1 RELATED WORK

Refer to ~ for ~.

Include cross references to other sections where these contain related work. For wet areas it is important to reference any waterproofing sections.

Documents

1.2 DOCUMENTS

Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

AS/NZS 2908.2 Cellulose-cement products - Flat sheet

NZS 3602 Timber and wood-based products for use in buildings

Delete from the DOCUMENTS clause any document not cited. List any additional cited documents. The following are related documents and if referred to in the work section need to be added to the list of DOCUMENTS.

NZBC C/AS1 Fire safety

NZBC E3/AS1 Internal moisture

NZBC G3/AS1 Food preparation and prevention of contamination

NZBC G6/AS1 Airborne and impact sound

NZS 3603 Timber Structures Standard

NZS 3604 Timber framed buildings

AS/NZS 4680 Hot-dip galvanized (zinc) coatings on fabricated ferrous articles

BRANZ BU 379 Preventing moisture problems in existing buildings

1.3 MANUFACTURER/SUPPLIER DOCUMENTS

James Hardie documents relating to this part of the work:

HardieGlaze™ Lining

Horizon™ Lining

Manufacturer/supplier contact details

Company: James Hardie New Zealand Limited

Web: www.jameshardie.co.nz

Telephone: Ask James Hardie™ on 0800 808 868

It is important to ensure that all personnel on site have access to accurate, up to date technical information on the many products, materials and equipment used on a project. In most cases individual products are not used in isolation, but form part of a building process. Also a particular manufacturer's and/or supplier's requirements for handling, storage, preparation, installation, finishing and protection of their product can vary from what might be considered the norm. Access to technical information can help overcome this potential problem.

Warranties

1.4 WARRANTY - MANUFACTURER/SUPPLIER

Provide a material manufacturer/supplier warranty:

15 years: For **HardieGlaze™ Lining** sheet (refer to James Hardie™ product warranty)

15 years: For accessories supplied by James Hardie™ (refer to James Hardie™ product warranty)

From: Date of purchase

- Provide this warranty on the manufacturer's standard form.

Refer to the general section 1237 WARRANTIES for additional requirements.

Modify or expand the clause to suit project requirements, options include:

- 1.5 **WARRANTY - MANUFACTURER/SUPPLIER**
Provide a material manufacturer/supplier warranty:
15 years: For **Horizon™ Lining** base sheet (refer to James Hardie™ product warranty)
15 years: For accessories supplied by James Hardie™ (refer to James Hardie™ product warranty)
From: Date of purchase

- Provide this warranty on the manufacturer's standard form.

Refer to the general section 1237 WARRANTIES for additional requirements.

Modify or expand the clause to suit project requirements, options include:

Requirements

- 1.6 **NO SUBSTITUTIONS**
Substitutions are not permitted to any specified system, or associated components and products.

- 1.7 **COMPLIANCE**
Fibre cement sheets to AS/NZS 2908.2

2. PRODUCTS

Materials

- 2.1 **HARDIEGLAZE™ SMOOTH LINING**
James Hardie HardieGlaze™ Smooth Lining treated cellulose fibre in a matrix of cement and sand autoclaved sheet, 4.5mm thick, with a high gloss polyurethane coating on one side. Sealer to rear face.
- 2.2 **HARDIEGLAZE™ TILE LINING**
James Hardie HardieGlaze™ Tile Lining treated cellulose fibre in a matrix of cement and sand autoclaved sheet, 6.0mm thick, embossed with a tile pattern, and finished with a high gloss polyurethane coating on one side. Sealer to rear face.
- 2.3 **HARDIEGLAZE™ PREMIUM LINING**
James Hardie HardieGlaze™ Premium Lining treated cellulose fibre in a matrix of cement and sand autoclaved sheet, 6.0mm, with a polyurethane coating on one side. Sealer to rear face.
- 2.4 **HORIZON™ LINING**
James Hardie Horizon™ Lining treated cellulose fibre in a matrix of cement and sand autoclaved sheet, 6.0mm, with a high gloss polyurethane coating on one side and primed on the other.
Available in eight colours, Day Break, Morning Dew, Night Sky, Silver Mist, Sunset, Touch Stone, Twilight, White Cloud.

Components

- 2.5 **BATTENS, TIMBER**
Minimum 45mm wide timber with depth suitable for length of fasteners used.
- 2.6 **PACKERS**
3 - 4mm timber packers.
- 2.7 **WALL BOARD ADHESIVE**
Polyurethane wallboard adhesive. Sometimes used in conjunction with Two Sided Adhesive Gator Bond Breaker Tape to avoid temporary bracing. Refer to James Hardie installation manual.

Accessories

- 2.8 **NAILS**
Aluminium jointers: C25mm stainless steel brad nails
PVC jointers: C25mm stainless steel or galvanized brad nails
Note, for all jointers, only use Stainless Steel fixings in wet areas.
Refer to James Hardie when fixing over other substrates or screw fixing.
- 2.9 **FIXINGS**
40mm Nylon Fastfix fasteners supplied by James Hardie.
These are available in gloss white.
- 2.10 **PVC JOINTERS AND MOULDINGS FOR 4.5mm LININGS**
4.5mm PVC jointers and mouldings.
Refer to James Hardie installation manual.
- 2.11 **PVC JOINTERS AND MOULDINGS FOR 6mm LININGS**
6mm PVC jointers and mouldings. Flexible edge 2-piece internal corner and scotia moulds supplied by James Hardie. Includes related PVC accessories.
PVC jointers are available in white. Refer to James Hardie installation manual.

Note that in thermal areas, the PVC may discolour. In these areas aluminium jointers are recommended.
- 2.12 **ALUMINIUM JOINTERS FOR 4.5mm and 6mm LININGS**
Extruded aluminium supplied by James Hardie.
Aluminium jointers are available in anodized natural finish and other colours. Refer to James Hardie installation manual.
- 2.13 **POLYETHYLENE TAPE**
Self adhesive polyethylene for behind expressed joints and expressed control joints.
- 2.14 **SEALANT**
Silicone. Refer to the James Hardie technical specifications.
- 3. EXECUTION**
- Conditions**
- 3.1 **MOISTURE CONTENT**
Maximum moisture content of timber framing to [NZS 3602](#).
- 3.2 **PROTECT**
Protect joinery, fittings and finishes already in place from damage from lining installation.
- 3.3 **BUILDING**
Ensure building is weatherproof before lining work commences.
It may be necessary to modify this clause or to define "weatherproof" more precisely. In some cases temporary covers over window openings might be sufficient to allow internal lining work to commence.
- 3.4 **STORAGE**
Take delivery of products dry and undamaged on pallets, and keep on pallet. Protect edges and corners from damage and covered to keep dry until fixed.
- 3.5 **HANDLING**
Avoid distortion and contact with potentially damaging surfaces. Carry sheets vertically. Do not drag sheets across each other, or across other materials. Protect edges, corners and surface finish from damage.
- 3.6 **SUBSTRATE**
Do not commence work until the substrate is of the standard required by the relevant manufacturer's technical literature for the specified finish; plumb, level and in true alignment. Check that the framing set out matches the required sheet joint set out. Maximum moisture content of timber framing to [NZS 3602](#).

- 3.7 BATCH COLOUR
For colour matching, ensure that sheets of the same colour, to be used in a specific area, are from the same batch.
For large areas this may become critical, expand this clause if necessary.

Application

- 3.8 ADHESIVE FIXING
Cut, prepare and fix sheets using only adhesive in accordance with James Hardie installation manual.
Delete this clause if using Tape and Adhesive fixing.
- 3.9 TAPE AND ADHESIVE FIXING
Cut, prepare and fix sheets using adhesive and double sided adhesive tape in accordance with James Hardie installation manual.
Delete this clause if using Adhesive only fixing.
Note this method does not require temporary support.
- 3.10 TEMPORARY SUPPORT
Where only adhesive fixing is used provide temporary bracing and support in accordance with James Hardie installation manual.
Delete this clause if using Tape and Adhesive fixing.
- 3.11 MOULDING JOINTING
Prepare and fix PVC or aluminium, jointers, corners, mouldings, in accordance with James Hardie installation manual. Refer to the SELECTIONS clauses.
- 3.12 SILICONE JOINTING
Apply Bond Breaker tape to framing at joint locations. Prepare and fix sheets in accordance with James Hardie Installation Manual. Only use factory-painted, radiused edges at flat joints. Site cut joints may be used at internal corners, but must be sanded and primed to manufacturer's instructions. Mask the joints and apply silicone sealant in accordance with James Hardie Installation Manual.
- 3.13 WET AREA JOINTING
Silicone sealant-fill jointers, external and internal corners and cap moulds, to James Hardie Installation Manual recommendations. Ensure all penetrations are sealed and/or covered to prevent moisture ingress.
- 3.14 FLASHING DETAILS TO BATH
Form and seal to James Hardie installation manual.
- 3.15 SHOWER DRIP EDGE DETAIL
Form and seal to James Hardie installation manual.

Completion

- 3.16 PROTECTIVE FILM
Leave the protective film as long as possible to protect the finish, remove just before final clean.
- 3.17 REPLACE
Replace damaged or marked elements.
- 3.18 CLEAN
Clean adjoining surfaces and fittings of spots, marks, dust and droppings.
- 3.19 LEAVE
Leave work to the standard required by following procedures.
- 3.20 REMOVE
Remove debris, unused materials and components from the site.

4. SELECTIONS

Linings

4.1 HARDIEGLAZE™ SMOOTH LININGS

Location: ~
Type: James Hardie HardieGlaze™ Smooth Lining
Thickness: 4.5mm
Sheet Colour: White
Fixing method: ~
Jointing method: ~
Jointer colour: ~
Fixing options: Adhesive, Tape and Adhesive
Jointing options: PVC jointers, Aluminium jointers
Joint colour option: PVC: White
Aluminium: Natural anodised

4.2 HARDIEGLAZE™ TILE LININGS

Location: ~
Type: James Hardie HardieGlaze™ Tile Lining
Thickness: 6mm
Sheet Colour: White
Fixing method: ~
Jointing method: ~
Jointer colour: ~
Fixing options: Adhesive, Tape and Adhesive
Jointing options: Silicone sealant joint, PVC jointers, Aluminium jointers
Joint colour option: Silicone: (refer to manufactures colour options and select)
PVC: White
Aluminium: Natural anodised
Note that tile pattern sheets generally have a better appearance with silicone joints.

4.3 HARDIEGLAZE™ PREMIUM LININGS

Location: ~
Type: James Hardie HardieGlaze™ Premium Lining
Thickness: 6mm
Sheet Colour: White
Fixing method: ~
Jointing method: ~
Jointer colour: ~
Fixing options: Adhesive, Tape and Adhesive
Jointing options: Silicone sealant joint, PVC jointers, Aluminium jointers
Joint colour option: Silicone: (refer to manufactures colour options and select)
PVC: White
Aluminium: Natural anodised

4.4 HORIZON™ LININGS

Location: ~
Type: James Hardie Horizon™ Lining
Thickness: 6mm
Sheet Colour: ~
Fixing method: ~
Jointing method: ~
Jointer colour: ~
Sheet colour option: White Cloud, Day Break, Morning Dew, Silver Mist, Twilight, Touch Stone, Sunset, Night Sky
Fixing options: Adhesive, Tape and Adhesive
Jointing options: Silicone sealant joint, Aluminium jointers
Joint colour option: Silicone: (refer to manufactures colour options and select)
Aluminium: White Cloud, Day Break, Morning Dew, Silver Mist, Twilight, Touch Stone, Sunset, Night Sky, Natural anodised

4.5 SILICONE JOINTS

Location: ~

Sealant brand: ~
Sealant colour: ~
Colour options: (refer to manufactures colour options and select)
Use this colour selection if it simplifies the selections.

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