

1. OVERVIEW

HARDIEFLEX® Siding is a nominally 6mm thick sheet designed for eaves and soffit lining on residential and light commercial buildings. **HARDIEFLEX®** sheets are attached to either steel or timber framing with fastenings and jointed with PVC jointers.

HARDIEFLEX® Siding product is available as a smooth non-textured sheet.

2. SCOPE OF USE

This product is intended for use in external soffit and eave applications in residential and light commercial buildings.

3. MATERIALS

3.1 COMPOSITION

The product is made from Portland cement, ground sand, cellulose fibers, water and selected additives. The product contains no asbestos, formaldehyde, gypsum or glass fibre.

3.2 CHARACTERISTICS

Product:	HARDIEFLEX® Siding
Nominal Thickness:	6 mm
Nominal Length:	2400 mm
Nominal Widths:	1200 mm
Nominal Weight:	8.6 kg/m ²
Apparent Density:	1300 kg/m ³

3.3 CERTIFICATION

HARDIEFLEX® Siding has been evaluated in accordance with the protocols and acceptance criteria of ISO 8336:1993 (E)/EN12467:2004 and found to be compliant as a Category 3, Type A product, per evaluation report no. 3035670 (December, 31, 2002).

3.4 ASSOCIATED PRODUCTS

3.4.1 NAILS

A hot dipped galvanized clout head, plain shank nail minimum 30mm long x 2.4mm shank diameter x 5.7mm head diameter manufactured to the requirements of BS EN 10230-1:2000 can be used to fix **HARDIEFLEX®** Siding to the treated timber if the battens are expected to be only occasionally damp.

If treated timber is likely to become more wet and long service life is required, fixings of austenitic stainless steel should be used in preference to other fixings. Ref: Section C.6.4 of BS 4072:1999, Copper/Chromium/Arsenic preparations for wood preservation

Alternatively colour matched nails can be used to fix **HARDIEFLEX®** sheets.

3.4.2 SCREWS

For screwing to steel framing use screws available from James Hardie. Alternatively exposed head colour matched screws can be used to fix **HARDIEFLEX®** Siding. Dimensions of screws should be a minimum of 30mm long x 2.4mm shank diameter x 5.7mm head diameter.

3.4.3 FRAMING

Framing needs to be provided at a maximum spacing of 600 centres. The timber grade and treatment type needs to be consistent with the engineering requirement for exterior timber as required by the local building regulations. The framing to which **HARDIEFLEX®** Siding is to be fixed, must be of sufficient strength and stiffness to satisfy the requirements of the local building regulations in its own right under the design dead, live and wind loads.

4. FITTING HARDIEFLEX SIDING

4.1 FITTING HARDIEFLEX SHEETS

See figure 1 for installation details and figure 2 for jointing details.

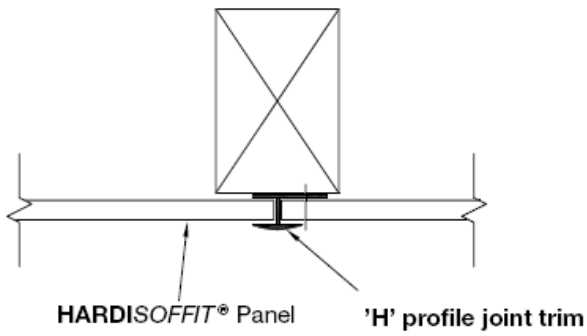


Figure 1 Installation details

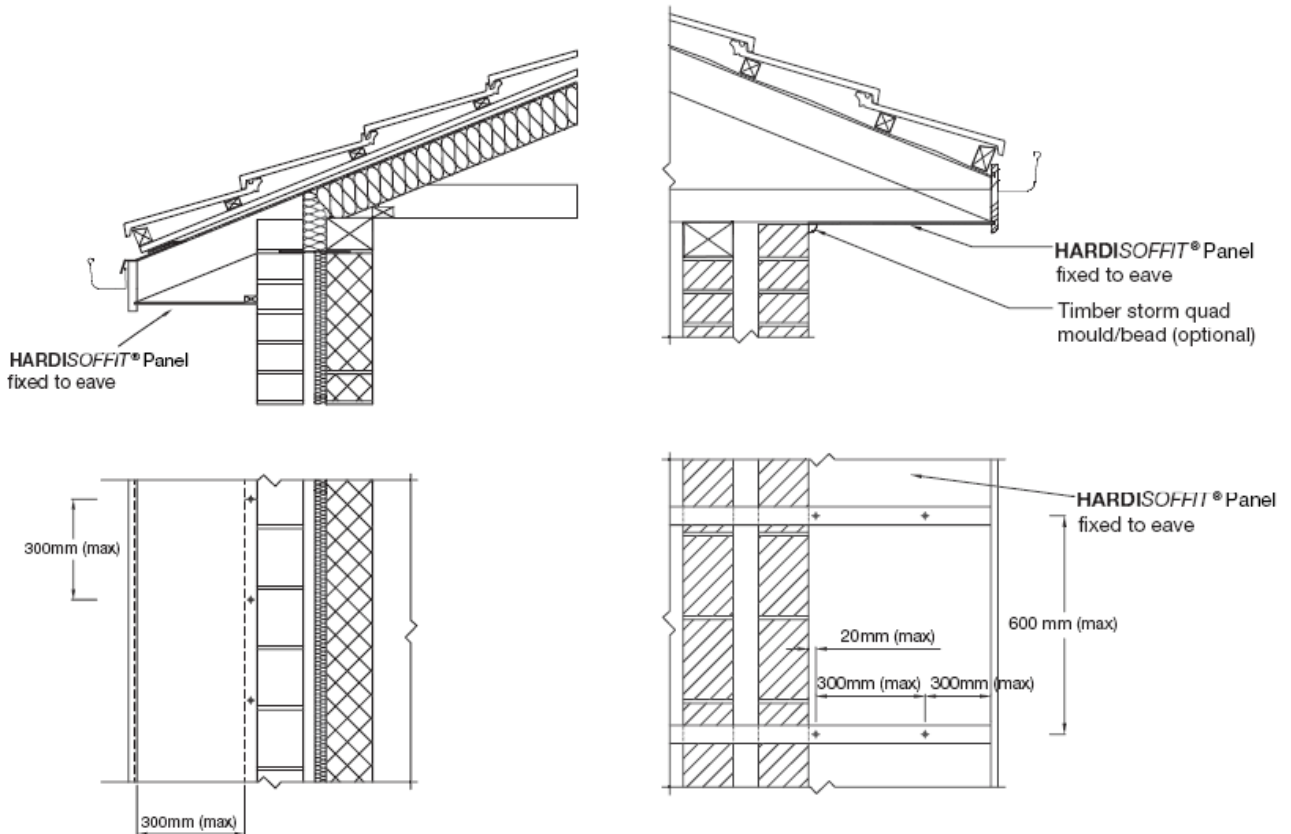


Figure 2 Jointing options

5. FINISHING

HARDIEFLEX[®] Siding can be field finished with a 100% acrylic topcoat. For field finishing, paint in accordance with the paint manufacturers written application instructions.

6. PENETRATIONS

When a penetration in the sheet is required, for a pipe or tap for example, form a hole in the panel using a hole saw. Make the hole approx. 8 mm larger than the diameter of the pipe. Seal between the fitting and the edge of the hole with an exterior quality sealant. If the space between the fitting and the hole is too wide, use a polyethylene foam backing rod to fill the major part of the gap. The remaining gap should be filled with sealant.

7. LOAD BEARING

HARDIEFLEX® Siding is not intended as a load bearing or shear elements in the wall construction. Items required to be attached to the soffit should be supported directly by connections to the structural sheathing and/or framing members, not attached to the HARDIEFLEX® sheet as the primary load bearing elements.

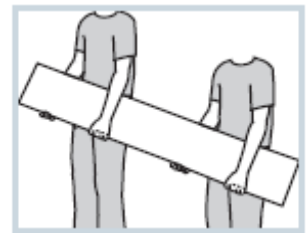
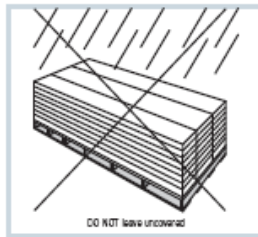
8. HANDLING AND STORAGE

Store flat and keep dry prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry panels on edge.



CIRCULAR SAW BLADE WITH CARBIDE-TIPPED TEETH

CARBIDE TIPPED SCORE AND SNAP KNIFE



James Hardie Recommended Cutting Practices

Outdoors

- Position cutting station so that wind will blow dust away from user or others in working area
- Use one of the following methods based on the required cutting rate:
 - Best**
 - Score and snap
 - Shears (Pneumatic or Handheld)
 - Better**
 - Dust reducing circular saw equipped with Hardiblade and HEPA vacuum extraction
 - Good**
 - Dust reducing circular saw with Hardiblade

Indoors

- Cut only using score and snap, or shears (manual, electric or pneumatic).
- Position cutting station in well-ventilated area
- NEVER use a power saw indoors
- NEVER use a circular saw blade that does not carry the Hardiblade logo
- NEVER dry sweep – Use wet suppression or HEPA Vacuum

Important Note: For maximum protection (lowest respirable dust production), James Hardie recommends always using “Best”-level cutting methods where feasible

NIOSH-approved respirators can be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at www.jameshardieEU.com to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact James Hardie for further information.

WARNING - AVOID BREATHING SILICA DUST

James Hardie products contain respirable crystalline silica, which is considered by IARC to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) use a fiber cement shear for cutting or, where not feasible, use a Hardiblade® and dust-reducing circular saw attached to a HEPA vacuum; (3) warn others in the immediate area; (4) wear a properly-fitted, dust mask or respirator (e.g. FFP1) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up, use HEPA vacuums or wet cleanup methods - never dry sweep. For further information, refer to our installation instructions and Material Safety Data Sheet available at www.jameshardieeu.com or by calling 0800 068 3103. FAILURE TO ADHERE TO OUR WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.



For additional information visit our website at:
www.JamesHardie.co.uk

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