

Installation instructions

Scyon™ Stria™ cladding supports smarter construction through its range of installation options to deliver design versatility, function and ease of construction. These options include:

- | | | |
|--|---|---|
| Construction: | Corner Details: | Jointing: |
| <ul style="list-style-type: none"> • Direct fix to frame • Cavity construction | <ul style="list-style-type: none"> • Mitred • Scyon Trim™ • Coining • Aluminium accessories | <ul style="list-style-type: none"> • 15mm Vertical groove • On or off stud butt joint |

For cavity construction and coining fixing instructions, contact the James Hardie Technical Team on 13 11 03. All other options are outlined in this manual.

IMPORTANT NOTES

1. Failure to install, finish or maintain this product in accordance with applicable building codes, regulations, standards and James Hardie's written application instructions may lead to personal injury, affect system performance, violate local building codes, and void James Hardie's product warranty.
2. All warranties, conditions, liabilities (direct, indirect or consequential) and obligations whether arising in contract, tort, industry negligence or otherwise other than those specified in James Hardie's product warranty are excluded to the fullest extent allowed by law. For James Hardie's product warranty information and disclaimers about the information in this manual, see the section at the end of this manual
3. The builder must ensure the product meets aesthetic requirements before installation. James Hardie will not be responsible for rectifying aesthetic surface variations following installation.
4. Make sure your information is up to date. When specifying or installing James Hardie® products, ensure you have the current manual. If in doubt, or you need more information, visit www.jameshardie.com.au or Ask James Hardie™ on 13 11 03.

SCYON™ STRIA™ CLADDING AND SCYON™ TRIM

PRODUCT	DESCRIPTION	SIZE (NOMINAL)			COVERAGE INFORMATION				
		Length (mm)	Width (mm)	Thickness (mm)	Effective cover (mm)	No. of boards/ metre height	Mass kg/lin m	Mass kg/m²	Pallet weight (60/pack) kg
	Scyon™ Stria™ cladding A pre-primed board to create a 15mm horizontal and vertical joint design on external and internal walls. Part No. 404063	4200	325	14	300	3.3	5.2	17.3	1310
	Scyon Trim	2600	84	16	Square	N/A	N/A	N/A	N/A
		4200	100	16					
			45	38					
			84	38					

NOTES

1. All dimensions and masses provided are approximate only and subject to manufacturing tolerances. Masses are based on equilibrium moisture content of product.

ACCESSORIES / TOOLS SUPPLIED BY JAMES HARDIE

ACCESSORIES	DESCRIPTION	ACCESSORIES	DESCRIPTION
	Stria™ vertical flashing stop Used behind boards at vertical joints 3.0m lengths Part No. 304771		James Hardie joint sealant Paintable polyurethane sealant. Part No. 300753
	HardiBlade® saw blade Ø185 poly diamond blade, for fast, clean cutting of James Hardie fibre cement. Part No. 300660		Stria Aluminium External Box Corner Anodised aluminium extrusion used to create external boxed corners 3.0m lengths Part No. 304872
	Stria Aluminium Internal Corner Anodised aluminium extrusion used to create internal corners 3.0m lengths Part No. 304871		HardiDrive® Screw 32mm long Class 3 galvanised screw for concealed fixing to 0.80 - 1.6mm BMT steel framing. Part No.300637
	James Hardie Corner Flashing 75 x 75 x 0.48mm Colorbond®. For use behind cladding at internal and external corners. 3.0m lengths. Part No. 304891		

COMPONENTS NOT SUPPLIED BY JAMES HARDIE

James Hardie recommends the following products for use in conjunction with its Scyon™ Stria™ cladding and Scyon™ Trim. James Hardie does not supply these products and does not provide a warranty for their use. Please contact component manufacturer for information on their warranties and further information on their products.

	Vapour permeable membrane Must have the following properties in accordance with AS/NZS 4200.1: Vapour barrier - low or medium Water barrier - high		Bostik Seal 'N' Flex 1 A suitable replacement for where James Hardie joint sealant is specified (supplied in sausage form)
	40 and 50 x 2.8mm fibre cement nails Minimum Class 3 (see fastener durability section) 40mm for concealed fixing. 50mm for face fixing.		Compound mitre saw Dust reducing compound mitre saw used with HardiBlade® saw blade. Makita: LS0714/LS1013/LS1212 Hitachi: C10FSB/C12FSB
	30mm Buildex FibreTEKS® Galvanised screw for concealed fixing to 0.55 - 0.75mm BMT steel framing.		Gun nails and nailers Suitable gun nails and nailers for face fixing to timber framing only. Minimum nail length of 50mm is required. Refer to fastener section. Minimum Class 3
	Quikdrive Collated Screw -CBSDG114-SA 32mm long Class 3 galvanised screw for fixing to 0.8-1.6mm BMT steel framing.		Vacuum extraction with HEPA filter Used with HEPA filter and paper bag for reduced dust exposure.
	Bond Breaking Tape Used behind sealant at joints, refer to this document for more information.		

WARNING

DO NOT BREATHE DUST AND CUT ONLY IN WELL VENTILATED AREA

James Hardie products contain sand, a source of respirable crystalline silica which is considered by some international authorities 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) minimise dust when cutting by using either 'score and snap' knife, fibre cement shears or, where not feasible, use a HardiBlade® saw blade and dust reducing circular saw attached to a HEPA vacuum;
- (3) warn others in the immediate area to avoid breathing dust;
- (4) wear a properly-fitted, approved dust mask or respirator (e.g. P1 or P2) 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 Sheets available at www.jameshardie.com.au. FAILURE TO ADHERE TO OUR WARNINGS, MATERIAL SAFETY DATA SHEETS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

JAMES HARDIE RECOMMENDED SAFE WORKING PRACTICES

CUTTING OUTDOORS

1. Position cutting station so wind will blow dust away from the user or others in working area.
2. Use a dust reducing circular saw equipped with HardiBlade® saw blade and HEPA vacuum extraction.

DRILLING/OTHER MACHINING

When drilling or machining you should always wear a P1 or P2 dust mask and warn others in the immediate area.

IMPORTANT NOTES

1. NEVER use a power saw indoors.
2. NEVER use a circular saw blade that does not carry the HardiBlade® logo.
3. NEVER dry sweep - Use wet suppression or HEPA vacuum.
4. NEVER use grinders.
5. ALWAYS follow tool manufacturers' safety recommendations.

P1 or P2 respirators should be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at www.jameshardie.com.au 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.

STORAGE AND HANDLING

To avoid damage, all James Hardie building products should be stored with edges and corners of the product protected from chipping. James Hardie building products must be installed in a dry state and protected from weather during transport and storage. The product must be laid flat under cover on a smooth level surface clear of the ground to avoid exposure to water, moisture, etc.

DESIGN

Compliance

All design and construction must comply with the appropriate requirements of the current Building Code of Australia (BCA), regulations and standards.

Responsibility

The specifier or other party responsible for the project must ensure that the details in this specification are appropriate for the intended application and that additional detailing is performed for specific design of any areas that fall outside the scope of this specification.

Slab and Footings

The slab and footings on which the building is situated must comply with AS 2870 'Residential slabs and footings – Construction' and the requirements of the Building Code of Australia (BCA).

Ground Clearances

Install James Hardie external cladding with a minimum 150mm clearance to the earth on the exterior of the building or in accordance with local building codes if greater than 150mm is required. Maintain a minimum 50mm clearance between James Hardie external cladding and roofs, decks, paths, steps and driveways.

Adjacent finished grade must slope away from the building in accordance with local building codes, typically a minimum slope of 50mm minimum over the first metre.

Do not install external cladding such that it may remain in contact with standing water.

NOTE

Greater clearance may be required in order to comply with termite protection provisions, see below.

Termite Protection

The BCA specifies the requirements for termite barriers. All of these requirements must be satisfied. Where the exposed slab edge is used as part of the termite barrier system, a minimum of 75mm of the exposed slab edge must be visible to permit ready detection of termite entry.

Moisture Management

It is the responsibility of designer or specifier to identify moisture related risks associated with any particular building design. Wall construction design must effectively manage moisture, accounting for both the interior and exterior environments of the building, particularly in buildings that have a higher risk of wind driven rain penetration or that are artificially heated or cooled.

In addition, all wall openings, penetrations, junctions, connections, window sills, heads and jambs must incorporate appropriate flashing and waterproofing. Materials, components and their installation that are used to manage moisture in framed wall construction must, at a minimum, comply with the requirements of relevant standards and the BCA.

For more information in relation to designing for weather tightness, refer to the Building Research Association of New Zealand (BRANZ), www.branz.co.nz

Fire Rated Walls

Fire rated walls can be created with Scyon™ Stria™ cladding and other additional linings to achieve a 60/60/60 and 90/90/90 fire rating when constructed as specified in the James Hardie Fire and Acoustically Rated Walls Design Manual.

Longer fasteners are required to account for the additional linings in a fire rated wall.

Energy Efficiency

External walls constructed using Scyon™ Stria™ cladding with the appropriate insulation, help facilitate smarter building design and construction. For specific R-values and information on sustainable building, refer to the James Hardie wall system thermal performance total R-values technical supplement and the James Hardie Green Book available online at www.jameshardie.com.au

FRAMING

General

Scyon™ Stria™ cladding is installed to timber or steel framed structures. Refer to Table 1 for maximum stud spacings for Scyon™ Stria™ cladding for Australian wind load classification of A5 4055 'Wind loads for Housing'.

Ensure framing joints are tight and all framing is fully loaded before the Scyon™ Stria™ Cladding is installed

Special framing requirements

The following are special framing requirements for timber framing:

- Additional framing may be required at internal corners and sides of openings, see relevant details on the following pages.
- Extra framing may be necessary for fixing of head flashing and trim. Lintels must be located in the frame flush externally to adequately support the head flashing.

At vertical joints where the flashing strip is used, provide either:

- Double 45mm studs or
- Double 35mm studs separated by 15mm packers or
- Triple 35mm studs

Everywhere else, minimum single 35mm studs unless shown otherwise.

TIMBER

Use of timber framing must be in accordance with AS 1684 - 'Residential timber-framed construction' and the framing manufacturer's specifications.

Use only seasoned timber. Unseasoned timber must not be used because it is prone to shrinkage and can cause sheets and frames to move.

'Timber used for house construction must have the level of durability appropriate for the relevant climate and expected service life and conditions including exposure to insect attacks or to moisture, which could cause decay.' Reference AS 1684.2 'Residential timber-framed construction'.

STEEL

Use of steel framing must be in accordance with AS 3623 - 'Domestic metal framing' and the framing manufacturers specifications.

Framing members must have a base metal thickness (BMT) between 0.55 to 1.6mm.

The steel framing must have the appropriate level of durability required to prevent corrosion.

NOTE

When using 70mm deep framing it is recommended that the Scyon™ Stria™ cladding be installed prior to plumbing, electrical and other services within the frame. This will prevent these services being damaged by fasteners used to install the Scyon™ Stria™ cladding.

Tolerances

Ensure that the frame is square and work from central datum line. Frames must be straight and true to provide a flush face to receive the Scyon™ Stria™ cladding. A suggested maximum tolerance of between 3mm and 4mm in any 3000mm length of frame will give best results. The Scyon™ Stria™ cladding will not straighten excessively warped or distorted frames and any warping may still be visible after product is applied.

NOTE

Non-flat walls will hinder ease of install and full engagement of cladding overlap interlock.

PREPARATION

Vapour Permeable Membrane

Vapour permeable membrane must be installed under the Scyon™ Stria™ cladding in accordance with the AS/NZS 4200.2 'Pliable building membranes and underlays – Installation' and the manufacturer's specifications.

Vapour permeable membrane must have the following properties with AS/NZS 4200.1:

- Vapour barrier - low or medium
- Water barrier - high

The function of the vapour permeable membrane is to prevent moisture ingress by acting as a "drainage plane" whilst enabling water vapour build up from inside the frame to escape.

Flashing

All wall openings, penetrations, intersections, connections, window sills, heads and jambs must be flashed prior to cladding installation. See 'Moisture management' Section for requirements.

Accessories

Some Scyon™ Stria™ cladding accessories may require installation prior to fixing of the boards. Refer to the relevant details in this document.

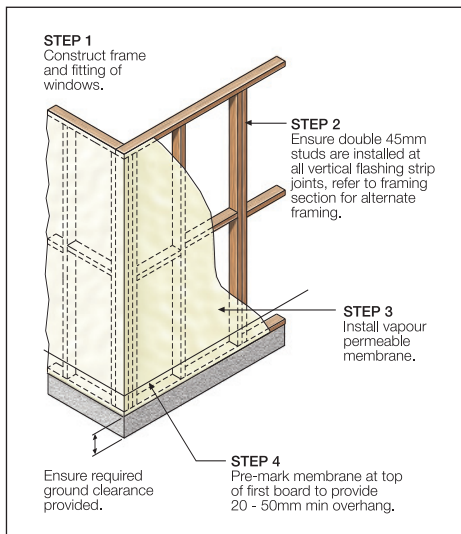


FIGURE 1 PREPARATION

NOTES

1. Ensure all double studs are well nailed together, and flush at the outside face.
2. Generally external and internal corners have additional framing requirements and require that flashings and/or components are fitted prior to fixing the Scyon™ Stria™ cladding. Refer to the external and internal corner details.
3. Before each board is fastened, check that it is level and fully engaged with the lower board.

INSTALLATION

NOTE

You must ensure the product is of acceptable quality prior to installation, see Important Note 3.

Vertical Flashing Stop

At vertical joints, vertical flashing stops are fixed to double 45mm studs, see Figure 2. The rear of the boards are then adhered to the vertical flashing strips using James Hardie joint sealant.

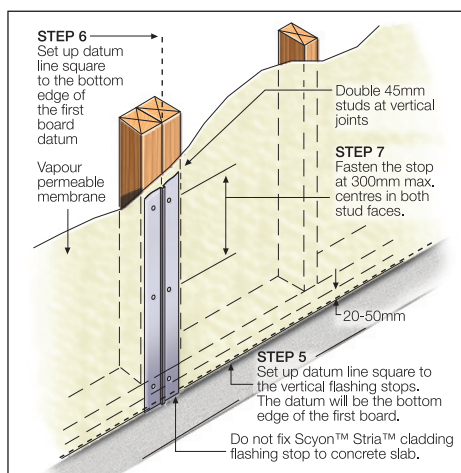


FIGURE 2 INSTALLATION OF FLASHING STRIP

When the boards are ready to be installed, apply James Hardie joint sealant to either side of the vertical flashing just prior to installation of each board.

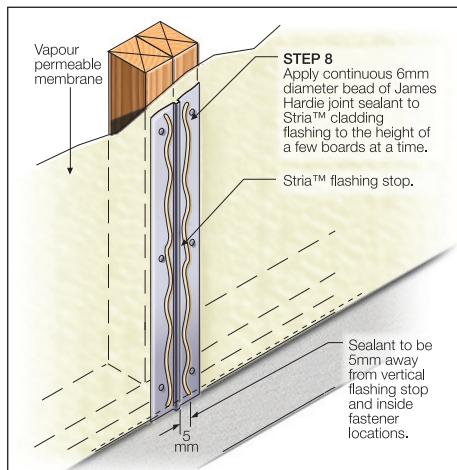


FIGURE 3 APPLY SEALANT TO FLASHING

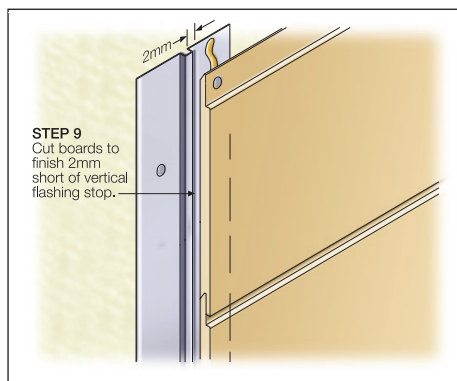


FIGURE 4 BOARD INSTALLATION

Board Installation

NOTES

1. Boards should be nailed to the studs starting from the centre of the board outwards.

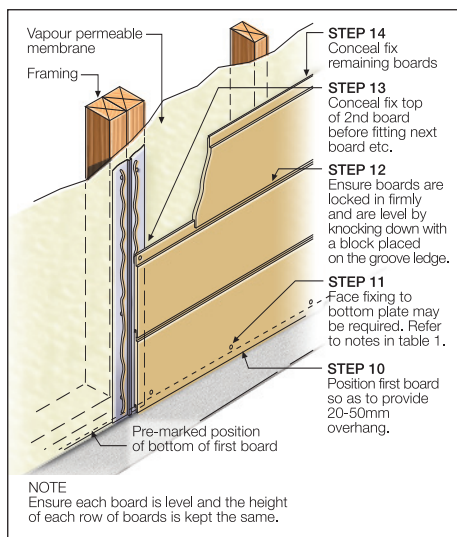


FIGURE 5 BOARD INSTALLATION

NOTE

Figure 5 shows concealed fixing method. Face fixing for all boards may be required for higher wind load areas, see Figure 10b.

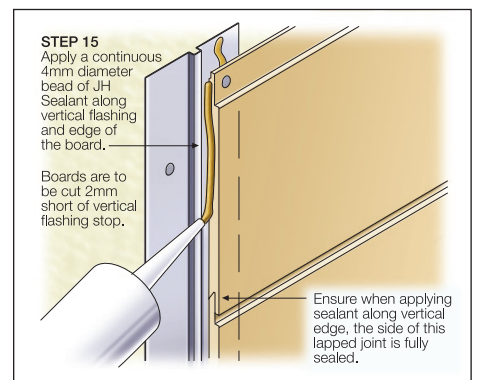


FIGURE 6 SEALING EDGE OF BOARD

Butt Jointing of Boards

If desired Scyon™ Stria™ cladding can be joined on and off stud without the use of the vertical flashing stop to create a traditional butt joint. To maximise strength and good looks, butt joints should be staggered over two or more stud lines (i.e. do not locate joints in the same vertical line).

Ensure the board ends are square and clean.

On Stud Jointing

Fix boards to studs leaving a 3mm gap for sealant.

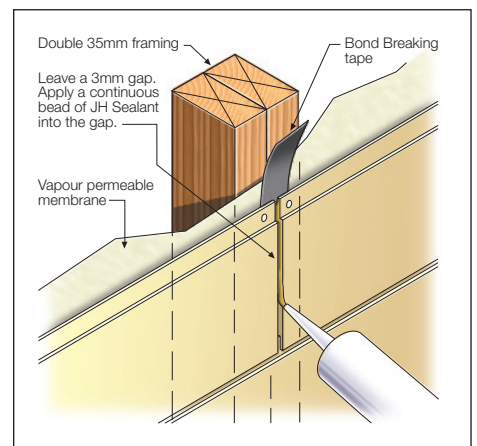


FIGURE 7 ON STUD JOINTING

Off Stud Jointing

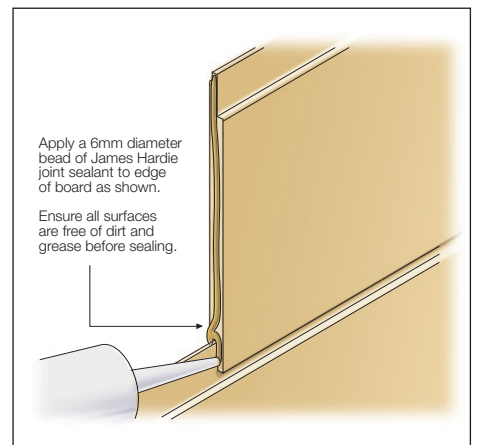


FIGURE 8 SEALING EDGE OF BOARD (STEP 1/2)

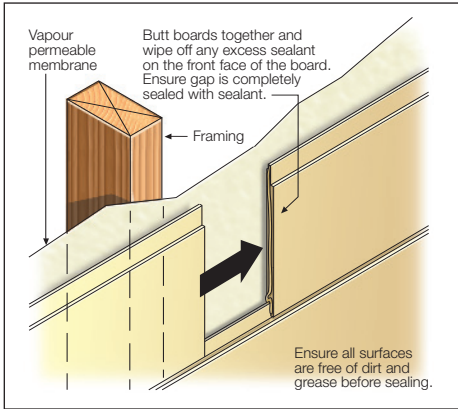


FIGURE 9 OFF STUD JOINTING (STEP 2/2)

FIXING

Scyon™ Stria™ cladding can be fixed by either concealed or face fixing methods depending on the fastener type and wind classification of the building.

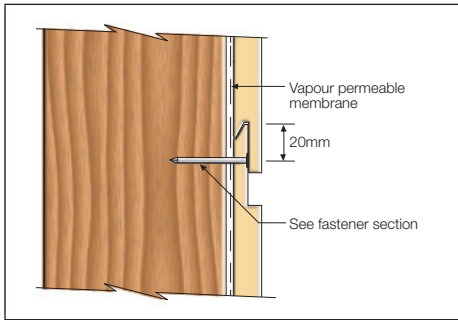


FIGURE 10A CONCEALED FIXING DETAIL

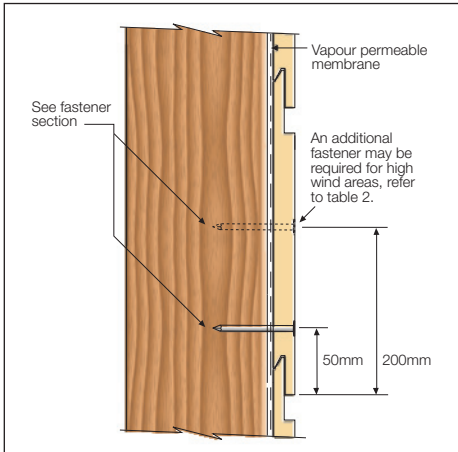


FIGURE 10B FACE FIXING DETAIL

NOTE FOR FIGURES 10A AND 10B.

1. Hold the board hard to the stud when fixing.

FASTENERS

The minimum edge distance to the end of the board is 20mm. All fasteners should be driven flush as shown below.

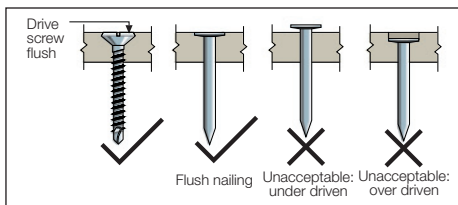


FIGURE 11 FASTENER DEPTH

Fastener Durability

Fasteners must have the appropriate level of durability required for the intended project. This is of particular importance in coastal areas, areas subject to salt spray and other corrosive environments.

Fasteners must be fully compatible with all other materials that they are in contact with to ensure the durability and integrity of the assembly. Contact fastener manufacturers for more information.

Timber Frames

Hand nailing

For concealed nailing, use 40mm minimum Class 3 fibre cement nails on the underlap in accordance with table 1.

For face fixing, use 50mm minimum Class 3 fibre cement nails in accordance with table 2 and figure 10B.

Gun nailing

Gun nailing is only suitable for face fixing and not for concealed fixing. A minimum class 3 50mm long coil nail or a 50mm Deckfast type D head 2.5mm dia fastener may be used for face fixing only.

If using nail guns the nail must be placed into the face of the board 50mm up from the bottom edge. See figure 10B.

Adjust nail gun to set nail proud of surface, then carefully flush fix with a hammer by hand.

Do not overdrive the nails.

Steel Frames

For both concealed and face fixing, a minimum class 3 32mm HardiDrive or 32mm Quikdrive may be used. Do not overdrive the screws.

Stud Spacings and fixing requirements TABLE 1

CONCEALED FIXING OPTIONS Fastened through underlap only - Figure 10A				
TIMBER FRAMING: 40mm FC NAILS, HAND NAILED				
AS 4055 Wind Classification		General areas of Walls (mm)	Within 1200mm of Building Edges (mm)	
Non-Cyclonic Wind	Cyclonic Wind			
N1, N2 & N3	C1	600		600
Note: Bottom and top boards must be fixed with either ND 50 SS Brad nails at 150mm centres or 50mm FC nails @ 300mm centres. See figure 19.				
STEEL FRAMING: FIXED WITH SCREW				
AS 4055 Wind Classification		General areas of Walls (mm)	Within 1200mm of Building Edges (mm)	
Non-Cyclonic Wind	Cyclonic Wind			
N1 & N2		600		600
N3	C1	600		450
Notes: 1. Use either 32mm Hardidrive screw or 32mm Quikdrive screw. Bottom and top boards to be fixed at 300mm centres. See figure 19. 2. Concealed fixings for N4, N5, N6, C2, C3 and C4 are not applicable for concealed fixing.				

TABLE 2

FACE FIXING OPTIONS - Figure 10B				
TIMBER AND STEEL FRAMING:				
AS 4055 Wind Classification		General areas of Walls (mm)	Within 1200mm of Building Edges (mm)	
Non-Cyclonic Wind	Cyclonic Wind			
N1, N2, N3	C1	600		600
N4	C2	600		450
N5, N6	C3, C4	450		300 2 fixings per board
TIMBER FRAMING				
Top board to be fixed at 300mm centres up to N4 and 150mm above N4. See figure 19.				
STEEL FRAMING				
Note: Use either 32mm Hardidrive screw or 32mm Quikdrive screw. Top board to be fixed at 300mm centres up to N3 and 150 mm above N3. See figure 19.				

EXTERNAL CORNERS

Scyon Trim corner

NOTE: Refer to Scyon Trim Installation Instructions for installation information.

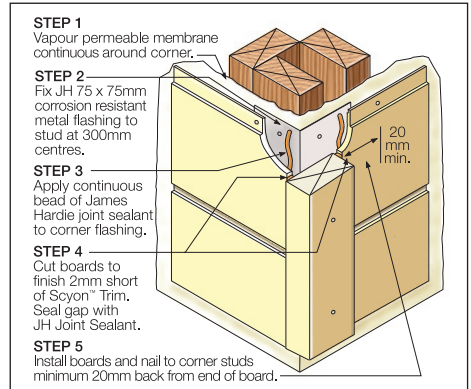


FIGURE 12 EXTERNAL TRIM CORNER

Mitre Corner

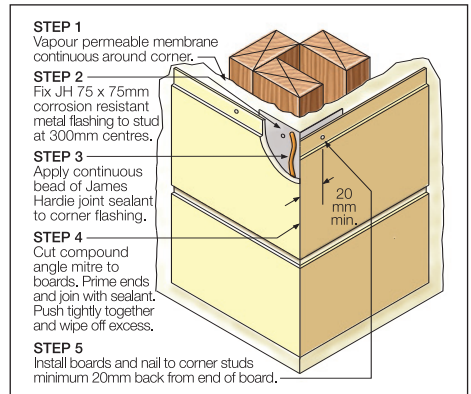


FIGURE 13 EXTERNAL MITRE CORNER

Box Corner

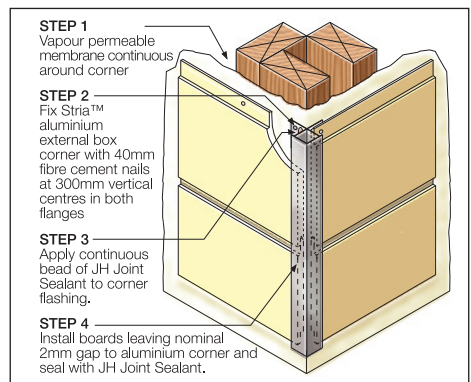


FIGURE 14 EXTERNAL BOX CORNER

INTERNAL CORNERS

Internal Mitre Corner

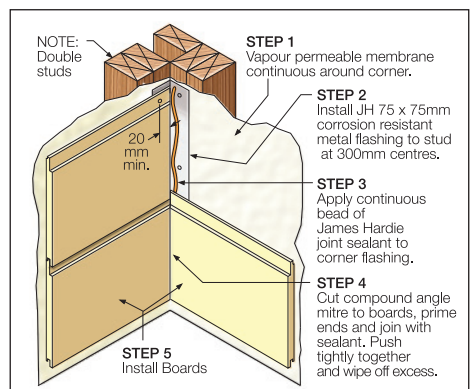


FIGURE 15 INTERNAL MITRE CORNER

Internal Aluminium Corner

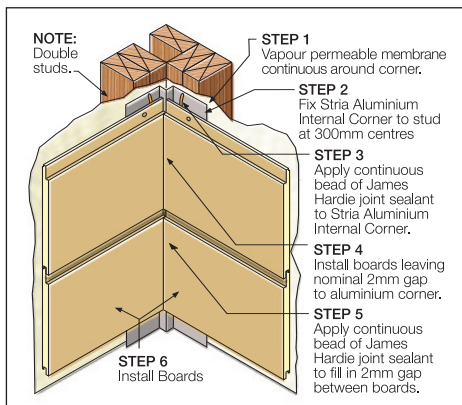


FIGURE 16 ALUMINIUM CORNER DETAIL

WINDOWS

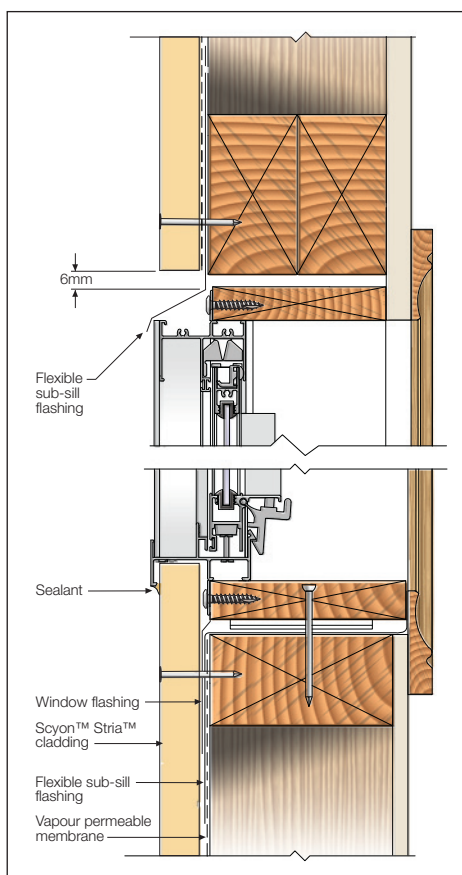


FIGURE 17 WINDOW CROSS SECTION

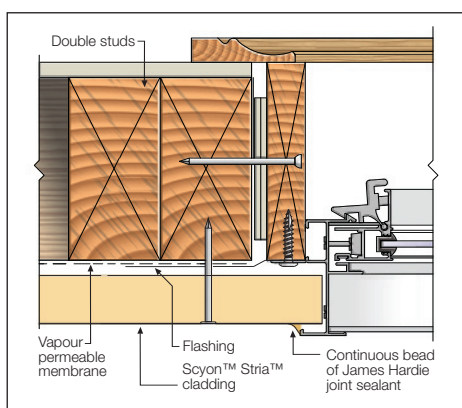


FIGURE 18 WINDOW JAMB DETAIL

SLAB / EAVE JUNCTION

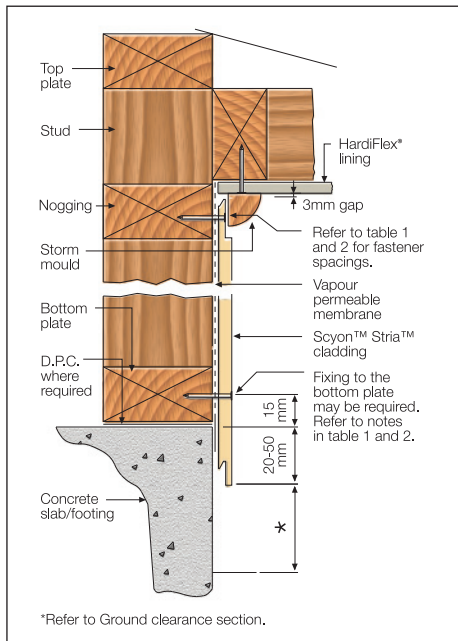


FIGURE 19 SLAB / EAVE DETAIL

FINISHING

Preparation and Priming

Scyon™ Stria™ cladding and Scyon Trim are pre-primed and must be dry before painting.

Priming of filled and sanded patches may be required in accordance with paint manufacturer's specifications.

NOTE: Care must be taken not to over-sand the boards as it can affect the finish.

Sealants

Application and use of sealants must comply with manufacturer's instructions. Sealants, if coated, must be compatible with the paint system. James Hardie recommends the use of James Hardie joint sealant, which is a paintable polyurethane sealant.

Painting

Refer to the project specification for paint requirements. The Scyon™ Stria™ cladding and Scyon™ Trim are pre-primed and must be painted within 3 months of being fixed. James Hardie recommends the application of two coats minimum of a quality exterior acrylic paint over the pre-primed boards in accordance with the paint manufacturer's specifications. Some environments require special coatings. Painting selection and specifications are dependant on the paint chosen. Refer to the paint manufacturer for information and details of their warranty.

Staining

Stains containing linseed oil are specifically designed for wood and may not be suitable for James Hardie cladding products, primed or unprimed. Semi-transparent stains can vary in uniformity of appearance depending on method of application and conditions and will require a high level of skill and craftsmanship to achieve a uniform appearance. Clear coats have not proven durable in exterior exposure and James Hardie considers them a maintenance item that may require application of a refurbishing sealer at regular intervals. James Hardie does not warrant the appearance or durability of semi-transparent stains and clear coats.

MAINTENANCE

The extent and nature of maintenance will depend on the geographical location and exposure of the building. As a guide, it is recommended that basic normal maintenance tasks shall include but not be limited to:

- Washing down exterior surfaces every 6-12 months*
- Re-applying of exterior protective finishes*
- Maintaining the exterior envelope and connections including joints, penetrations, flashings and sealants that may provide a means of moisture entry beyond the exterior cladding.
- Ensuring clearances specified in this document are maintained.
- Cleaning out gutters, blocked pipes and overflows as required.
- Pruning back vegetation that is close to or touching the building.

*Refer to your paint manufacturer for washing down and recoating requirements related to paint performance.

PRODUCT INFORMATION

General

Scyon™ Stria™ cladding and Scyon Trim are made from an advanced material composite technology. The basic composition is Portland cement, ground sand, cellulose fibre, water and proprietary additives.

Scyon™ Stria™ cladding and Scyon Trim are manufactured to AS/NZS 2908.2 'Cellulose-Cement Products Part 2: Flat Sheets'.

Scyon™ Stria™ cladding and Scyon Trim are classified Type A, Category 2 in accordance with AS/NZS 2908.2.

For Material Safety Data Sheets (MSDS) visit www.jameshardie.com.au or Ask James Hardie™ on 13 1103.

Durability

Resistance to moisture/rotting

The Scyon™ Stria™ cladding and Scyon Trim has demonstrated resistance to permanent moisture-induced deterioration (rotting) by passing the following tests in accordance with AS/NZS 2908.2:

- Water permeability (Clause 8.2.2)
- Warm water (Clause 8.2.4)
- Heat rain (Clause 6.5)
- Soak dry (Clause 8.2.5).

Resistance to fire

The Scyon™ Stria™ cladding and Scyon Trim are suitable where non-combustible materials are required in accordance with C1.12 of the Building Code of Australia.

James Hardie building products have been tested by CSIRO in accordance with AS/NZS 3837 and are classified as conforming to Group 1 material referenced in Specification C1.10a of the BCA.

The uncoated Scyon™ Stria™ cladding and Scyon Trim have the following early fire hazard indices (tested to AS 1530 Part 3).

EARLY FIRE HAZARD INDICES

Ignition index	0
Flame spread index	0
Heat evolved index	0
Smoke developed index	0 - 1

NOTES

1. Zero is the best possible result. The range is 0 - 10, except Ignition Index which is 0 - 20.

Resistance to termite attack

Based on testing completed by CSIRO Division of Capital Forest Products Report Numbers FP349 and FP274, James Hardie building products have demonstrated resistance to termite attack.

Alpine regions

In regions subject to freeze/thaw conditions, James Hardie external cladding must not be in direct contact with snow/or ice build up for extended periods, e.g. external walls in alpine regions subject to snow drifts over winter.

For more information on the use of James Hardie products in alpine regions please Ask James Hardie™ on 13 11 03 or visit www.jameshardie.com.au

Tested to AS/NZS 2908.2 Clause 8.2.3

SCYON™ STRIA™ CLADDING 25 YEAR WARRANTY

James Hardie Australia Pty Limited ("James Hardie") warrants to the first purchaser of the Product and the last purchaser prior to the installation of the Product for a period of 25 years from the date of purchase that Scyon™ Stria™ cladding (the "Product") will be free from defects due to defective factory workmanship or materials and, subject to compliance with the conditions below, will be resistant to damage from cracking, moisture, rotting, fire and damage from termites attacks to the extent set out in James Hardie's relevant published literature current at the time of installation. James Hardie warrants for a period of 12 months from the date of purchase that the accessories supplied by James Hardie will be free from defects due to defective factory workmanship or materials.

Nothing in this document shall exclude or modify any legal rights a customer may have under the Trade Practices Act or otherwise which cannot be excluded or modified at law.

Conditions of Warranty

The warranty is strictly subject to the following conditions:

- a) James Hardie will not be liable for breach of warranty unless the claimant provides proof of purchase and makes a written claim either within 30 days after the defect would have become reasonably apparent or, if the defect was reasonably apparent prior to installation, then the claim must be made prior to installation;
- b) this warranty is not transferable;

- c) the Product must be installed and maintained strictly in accordance with the relevant James Hardie literature current at the time of installation and must be installed in conjunction with the components or products specified in the literature. To obtain copies of such literature contact Ask James Hardie™ on 13 11 03. Further, all other products, including coating and jointing systems, applied to or used in conjunction with the Product must be applied or installed and maintained strictly in accordance with the relevant manufacturer's instructions and good trade practice;
- d) the project must be designed and constructed in strict compliance with all relevant provisions of the current Building Code of Australia, regulations and standards;
- e) the claimant's sole remedy for breach of warranty is (at James Hardie's option) that James Hardie will either supply replacement Product, rectify the affected Product or pay for the cost of the replacement or rectification of the affected Product;
- f) James Hardie will not be liable for any losses or damages (whether direct or indirect) including property damage or personal injury, consequential loss, economic loss or loss of profits, arising in contract or negligence or howsoever arising. Without limiting the foregoing, James Hardie will not be liable for any claims, damages or defects arising from or in any way attributable to poor workmanship, poor design or detailing, settlement or structural movement and/or movement of materials to which the Product is attached, incorrect design of the structure, acts of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions or unusual climatic conditions, efflorescence or performance of paint/coatings applied to the Product, normal wear and tear, growth of mould, mildew, fungi, bacteria, or any organism on any Product surface or Product (whether on the exposed or unexposed surfaces);
- g) all warranties, conditions, liabilities and obligations other than those specified in this warranty are excluded to the fullest extent allowed by law;
- h) if meeting a claim under this warranty involves re-coating of Products, there may be slight colour differences between the original and replacement Products due to the effects of weathering and variations in materials over time.

DISCLAIMER

The recommendations in James Hardie's literature are based on good building practice, but are not an exhaustive statement of all relevant information and are subject to conditions (c), (d), (f) and (g) above. Further, as the successful performance of the relevant system depends on numerous factors outside the control of James Hardie (e.g. quality of workmanship and design), James Hardie shall not be liable for the recommendations in that literature and the performance of the relevant system, including its suitability for any purpose or ability to satisfy the relevant provisions of the Building Code of Australia, regulations and standards.

For more information please Ask James Hardie™ on 13 11 03 or visit www.jameshardie.com.au

Ask James Hardie™
Call 13 11 03
www.jameshardie.com.au

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