

Recladding with James Hardie

Your guide to achieving a safe and compliant façade with James Hardie cladding



Partner with a façade expert

Each recladding and remediation project is unique and complex, with many factors for consideration. James Hardie provides simple and affordable solutions that have been approved by industry experts to satisfy the requirements of the NCC. James Hardie can also assist with providing solutions that comply with local regulations and specific project requirements.

James Hardie's external cladding products are made from fibre cement, deemed non-combustible in accordance with NCC Clause C1.9. Our large variety of external cladding can achieve various finishes including rendered, expressed joint and panelised looks to ensure the architectural integrity of the project is retained.

James Hardie provides expert assistance to resolve key challenges presented by recladding projects, including helping you identify the appropriate product to deliver the wall system performance required for the individual project and, guidance on relevant framing, junction and detailing considerations. James Hardie will also provide any required compliance documentation to certifiers, engineers and regulatory bodies.

James Hardie is here to partner with you and take the complexity out of your recladding project.

The recladding process can be complex with involvement of many stakeholders. Inadequate consultation with the appropriate stakeholders could result in increased costs, approval bottlenecks and project delays.

There is a range of key stakeholders that could be included in the process:



- Building Manager / Owner
- Appropriately qualified Engineer including Fire Engineer
- Project Manager / Architect
- Fire Service / Local council
- Private Certifier / Surveyor
- Façade Consultant
- Façade Builder
- James Hardie Consultant

Handy Tips

Cladding Endorsement

Your chosen cladding should be endorsed by:

- A certifier and fire engineer to confirm that the replaced wall system complies with the BCA
- Other stakeholders required by body corporate or local regulations
- All stakeholders during the replacement as well as at completion



Construction:

The replacement cladding must be weatherproof. Check sarking and insulation requirements before installing the cladding.



Sign-Off:

Its important to stay engaged with key stakeholders during and after construction so that any issues can be resolved before they come costly.

Stages of a Recladding Project

NOTE: The following stages are general and meant as guidance only to assist in understanding the recladding process, and must be confirmed with relevant experts, authorities and stakeholders. This information is based on expert advice from fire engineering consultancy, Ignis Solutions.

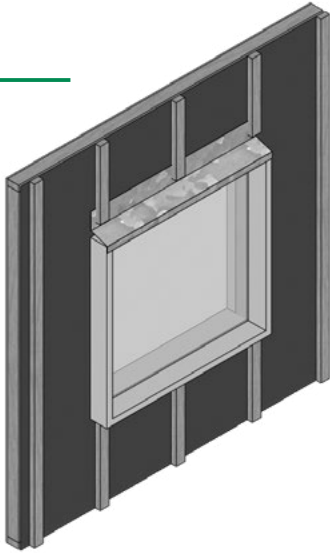
1. Planning & Approvals

- ☐ **Building Aesthetics:** Identify the required cladding profile, texture and fixing to ensure the architectural integrity of the building is maintained. James Hardie offers a range of suitable claddings to achieve different looks.
- ☐ **Performance:** Review the existing wall system and understand performance requirements - fire, acoustic, thermal, structural. Ensuring the replacement wall system satisfies these requirements can be difficult.
- ☐ **Project Specific Details:** Consider the dimensions of the wall alongside the weight and structure. Also consider any penetrations, door openings and flashings.
- ☐ **Installation Plan:** Prepare contract and program of replacement.

2. Remove Cladding and Assess Structure

- ☐ **Remove** the existing non-compliant cladding.
- ☐ **Inspect** the elements of the wall including the structure, framing, weather barriers and insulation.

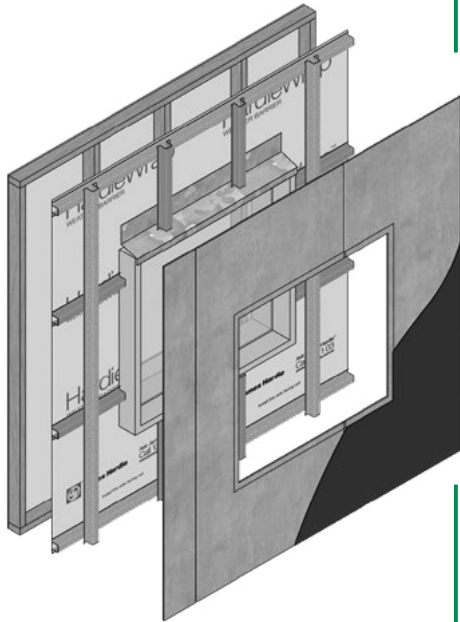
James Hardie can assist with cladding selection, performance requirements and project specific junction detailing. Contact your local JH representative or call 13 11 03.



3. Install Replacement Wall

- ☐ **Install** new elements in accordance with manufacturer's instructions including the application of paints, texture coats or other finishes.
- ☐ **Inspect** by relevant stakeholders

James Hardie installation guides can be found at www.jameshardie.com.au/technicallibrary



4. Inspection and Approval

- ☐ **Inspection:** Ensure the cladding products and other wall system elements are installed correctly
- ☐ **Approval** by relevant stakeholders and provision of Amended Occupancy Permit by relevant authority

James Hardie can provide a site specific warranty* to the project manager and compliance documentation to the certifier or regulatory authority. NOTE: All James Hardie product warranties are subject to their terms and conditions including but not limited to correct product installation and maintenance in accordance with James Hardie's written and published literature current at the time of installation. James Hardie does not inspect and/or sign-off on the installation of its products.

*Site specific warranty is subject to conditions and limitations of James Hardie product warranties available at www.jameshardie.com.au

James Hardie Recladding Options

EasyTex™ Panel

ComTex™ Panel

ExoTec™ Façade Panel and System

ExoTec™ Vero™ Façade Panel and System

Application		EasyLap™ & EasyTex™	ComTex™	ExoTec™ & ExoTec™ Vero™
Ideal Replacement		EPS	EPS	ACP
Multi-Residential (≤3 storeys, Class 2)		Yes	Yes	Yes
Multi-Residential & Non-Residential buildings (class 2-9)		Limited*	Yes	Yes
Product Attributes				
Composition		Fibre cement	Fibre cement	Compressed fibre cement
Weight		12.46 kg/m²	13.2 kg/m²	9mm: 16.26 kg/m², 12mm: 21.9 kg/m²
Panel Sizes		Max Length 3600 Max Width 1350	3000 x 1200	Max Length 3600 Max Width 1350
Key Physical Properties		Corresponding Building Standard		
Combustibility	Deemed to Comply with NCC	Suitable where non-combustible materials are required in accordance with C1.9 of the NCC		
Sample Classification Average Specific Extinction Area	AS/NZS 3837	Group 1: 17.7m²/kg	Group 1: 17.7m²/kg	Group 1: 55.1m²/kg
Ignitability Index (0-20)	AS 1530.3	0	0	0
Spread of Flame Index (0-20)	AS 1530.3	0	0	0
Heat Evolved Index (0-10)	AS 1530.3	0	0	0
Smoke Developed Index (0-10)	AS 1530.3	2	5	0-1
Thermal Conductivity	ASTM C 518	0.553W/m °K	0.553W/m °K	0.60W/m °K
Weatherproofing		Tested (E2/VM1 - FP1.4)	Assessed (Branz Appraisal)	Tested (AS AS/NZS 4284)
Installation Manual		EasyTex manual	ComTex manual	ExoTec manual
Codemark Certificate Available		Codemark Certificate	NA	Codemark Certificate
SDS		https://www.jameshardie.com.au/technicalLibrary		



*Subject to verification from James Hardie, ensure to check suitability to your specific project. Contact your local representative or 13 11 03 for advice.



Recladding Case Study

Project: Anaconda (previously Masters)

Location: Hawthorn, VIC

Builder: H-Tron

Installer: Anderson Plastering

As the market has moved away from using Aluminium Composite Panels given their fire safety risk, James Hardie's ExoTec™ façade panel and system has been a go to solution for cladding that is suitable for non-combustible construction.

With this project there was a desire to mimic the same express wall design as ACP using compressed fibre cement. 9mm ExoTec façade panel and system was chosen as the solution giving them a straight forward replacement material. The old cladding was simply taken off with replacement top hats and sisalation added to the subsystem and the ExoTec panels installed over the top. The panels were site painted giving you the vibrant result as seen here.



Partnering with James Hardie on a reclad

James Hardie offers a range of helpful services, products and finishes that will satisfy the non-combustibility requirements of the NCC. We are here to be a trusted partner when navigating the complex process of a reclad project.

- Expert technical support through James Hardie Engineering Solutions team, including documentation and detailing of complex aspects of a recladding project such as connection to windows, balustrades, other walls and doors.
- Guidance on product compliance with NCC and BCA requirements.*
- Onsite technical support through our local representatives.
- Onsite product training through our local representatives.
- Certified external wall systems with the appropriate documentation.

*Note: It is the responsibility of the project engineer to ensure that the use of any James Hardie product, in the project, is suitable for the application in which it is intended to be used and that the product is compliant with the relevant requirements of the NCC/BCA in the application in which it is intended to be used. James Hardie is not responsible for determining the compliance of its products in a particular application.

For more information and support with your recladding projects, contact James Hardie on **13 11 03** or go to [jameshardie.com.au](https://www.jameshardie.com.au) to request a call back.

