

Your high performance  
facade panel.  
With James Hardie,  
**It's Possible™**

Hardie® Panel

Hardie® Architectural Panel





Hardie® Panel and Hardie® Architectural Panel are independently EPD certified for the full product lifecycle.



The ecobau institute in Switzerland has confirmed that Hardie® Panel is fulfilling the highest requirements concerning ecological performance by awarding the highest possible certificate of eco-1.

IT'S POSSIBLE

# Content

James Hardie™	04
With James Hardie. It's Possible™	06
The Hardie® Panel Products	08
Hardie® Architectural Panel	14
Hardie® Architectural Panel Metallics	20
Hardie® Panel	24
A Reliable System	30
Expertise on your Side	32
Smart Sustainability	34
Technical Information	36
Project Support	38



IT'S POSSIBLE™

# James Hardie™

James Hardie, leading the manufacture of high-performance fibre cement and fibre gypsum building solutions. As a trusted innovator and industry leader, we empower homeowners and building professionals alike to achieve their dreams with premium quality solutions.

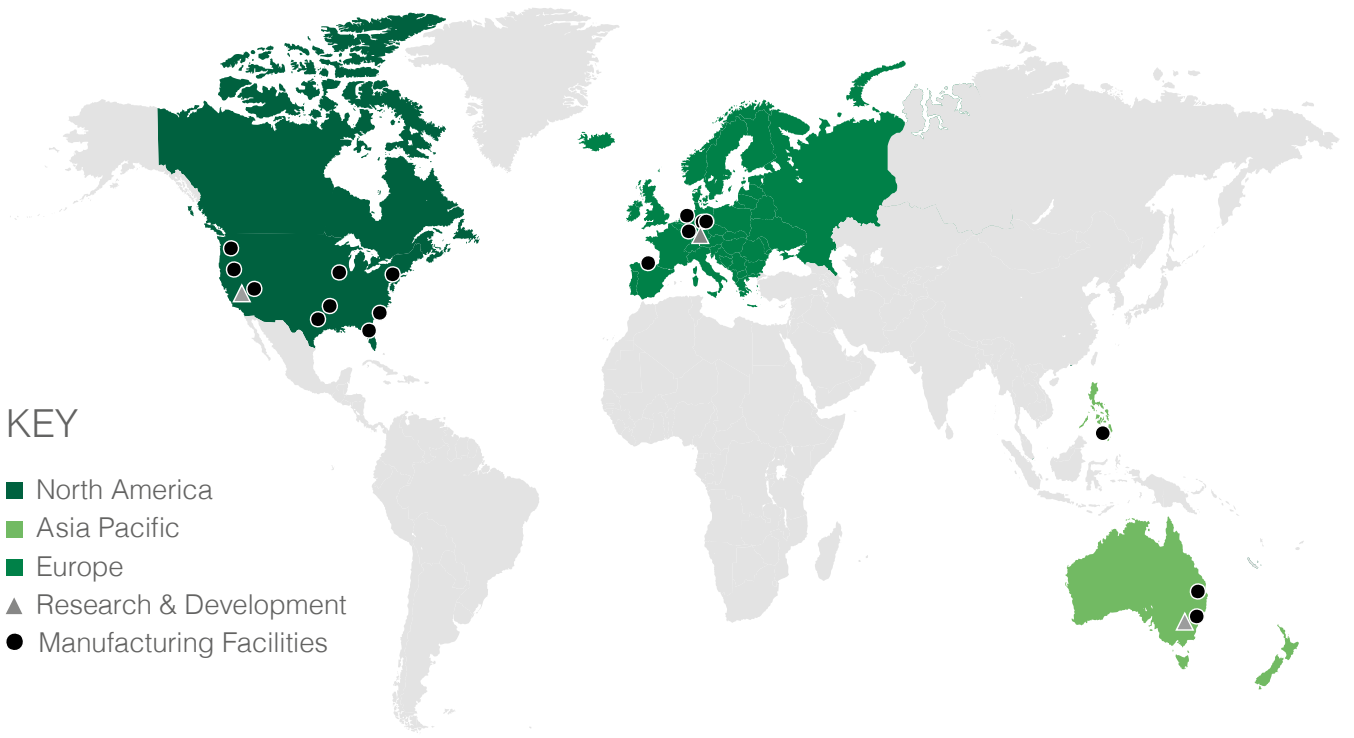
Our products enable endless possibilities for designing forever homes and exceptional buildings, whilst also delivering trusted protection and long-lasting beauty.

We are a fast-paced company dedicated to our customers. We strive to deliver market driven innovation, an inclusive and empowering culture, and an unwavering commitment to our Zero Harm safety initiative. Whilst operating with a global mindset, we put great care into how our business can support the local communities in which we operate, live and work in.

Our cladding products not only create a stylish stand-alone solution, but also look great with other building materials such as stone, wood and brick, making design potential endless. We will provide sustainable solutions for your project, giving you affordable, individual designs, energy efficiency and everything you need to ensure your project looks stunning for years to come.







KEY

- North America
- Asia Pacific
- Europe
- ▲ Research & Development
- Manufacturing Facilities

Build your projects with a global organisation that's been pursuing excellence since 1888.



**A2 FIRE RATED PERFORMANCE  
THAT'S AFFORDABLE**

# With James Hardie. It's Possible™

If you are looking for high performance, A2 fire-rated facade cladding at a competitive price – Hardie® Panel products are the right choice for your next project.

Whatever look you choose, you know you're getting the strength and durability your clients deserve.

**A2**  
fire-rated

**15 Year**  
Warranty





### **Design Flexibility**

A choice of textures in a range of stylish colours will enable you to build modern contemporary designs.

### **A2 Fire Protection**

James Hardie is the global leader of fibre cement products. You can trust in the quality of our A2-s1, d0 rated cladding, backed by an industry leading 15-year warranty.

### **Affordable Performance**

A smart, cost effective solution for every project, giving you style, quality and protection at an unmatched price.



HARDIE® ARCHITECTURAL PANEL

# Brushed Concrete





HARDIE® ARCHITECTURAL PANEL

# Smooth Sand





HARDIE® ARCHITECTURAL PANEL

# Metallics





**Hardie®  
Panel**

YOUR GO-TO SOLUTION FOR SUSTAINABLE FACADES

# Building a better future for all™

Hardie® Panel and Hardie® Architectural Panel are medium-density fibre cement panels, specifically engineered to meet the European climate conditions for external cladding.

With their unmatched design flexibility in combination with affordability, they are the go-to ventilated facade cladding solution for renovation or new build. Not only built to last, they are also optimised for low resource use and related CO<sub>2</sub> emissions, setting new sustainability standards.







# 8 mm

For all building types.



# 11 mm

Achieves European Assessment Document 090062-00-0404 Category I for impact. For the first 1.5m height of the wall in high footfall areas.

## Endless design possibilities

Hardie® Panel and Hardie® Architectural Panel are some of the most innovative products when it comes to fibre cement facade cladding.

They not only impress with performance but are also a real design all-rounder: pick any of our amazing colours or your individual colour, choose a texture, and make every project individual.

Hardie® Panel comes in a natural fibre cement surface. Hardie® Architectural Panel is available in two textures, Brushed Concrete, and Smooth Sand. All of the textures are available in 6 standard colours and custom colour.

## An outstanding solution

Hardie® Architectural Panel Metallics combines the look of a fibre cement facade cladding with a special metallic look that comes in 6 metallic colours.

## Application

Hardie® Panel and Hardie® Architectural Panel can be used in rainscreen facades and soffits, fixed to either timber, metal sub-frames or masonry walls using corrosion resistant fixings.

SMART SUSTAINABILITY  
MEETS DESIGN FLEXIBILITY

# Hardie® Architectural Panel





## Technical values

Thickness	8 mm	11 mm
<b>Length</b>	Raw: 3048 mm Net: 3038 mm	
<b>Width</b>	Raw: 1220 mm Net: 1210 mm	
<b>Density</b>	~ 1300 kg/m <sup>3</sup>	
<b>Weight</b>	11,2 kg/ m <sup>2</sup>	13,7 kg/m <sup>2</sup>
<b>Thermal conductivity</b>	$\lambda_{10, tr} = 0,23 \text{ W/mK}$	
<b>Thermal resistance</b>	$R_{10, tr} = 0,035 \text{ m}^2\text{K/W}$	$R_{10, tr} = 0,048 \text{ m}^2\text{K/W}$
<b>Flexural strength</b> (as per EN 12467)	14,0 MPa perpendicular to fibre direction 8,5 MPa parallel to fibre direction	17,0 MPa perpendicular to fibre direction 11,8 MPa parallel to fibre direction
<b>Modulus of elasticity</b>	5100 N/mm <sup>2</sup>	
<b>Linear Strain</b>	$\leq 0,05 \text{ mm/m}^*$	
<b>Impact Resistance</b> (soft and hard impact as per EAD 090062-00-0404)* <sup>1</sup>	–	Category 1 (H1-3, S1-4)

**A2**  
fire-rated

**15 Year**  
Warranty

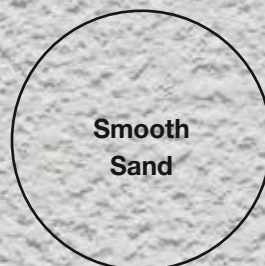
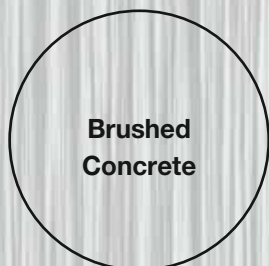


\* between 30 % and 90 % rel. humidity  
\*<sup>1</sup> on timber aluminum steel and NV3

## TEXTURE &amp; COLOUR

# Hardie® Architectural Panel

Hardie® Architectural Panel is available in two textures: Smooth Sand and Brushed Concrete. These textures will enable you to build modern, contemporary designs – specifically formulated to give you a long-lasting and low maintenance, consistent finish for years to come.

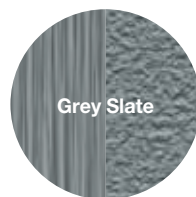
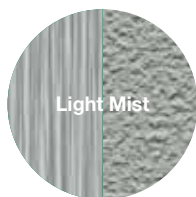






## A modern look

Our standard colour range gives a choice of minimalistic white, grey, beige or black tones to choose from. Pure one coloured facades or a combination of them will give your building a unique, modern and clean style. And for an even more individual aesthetic look you can request your individual custom colour on each of our surfaces.



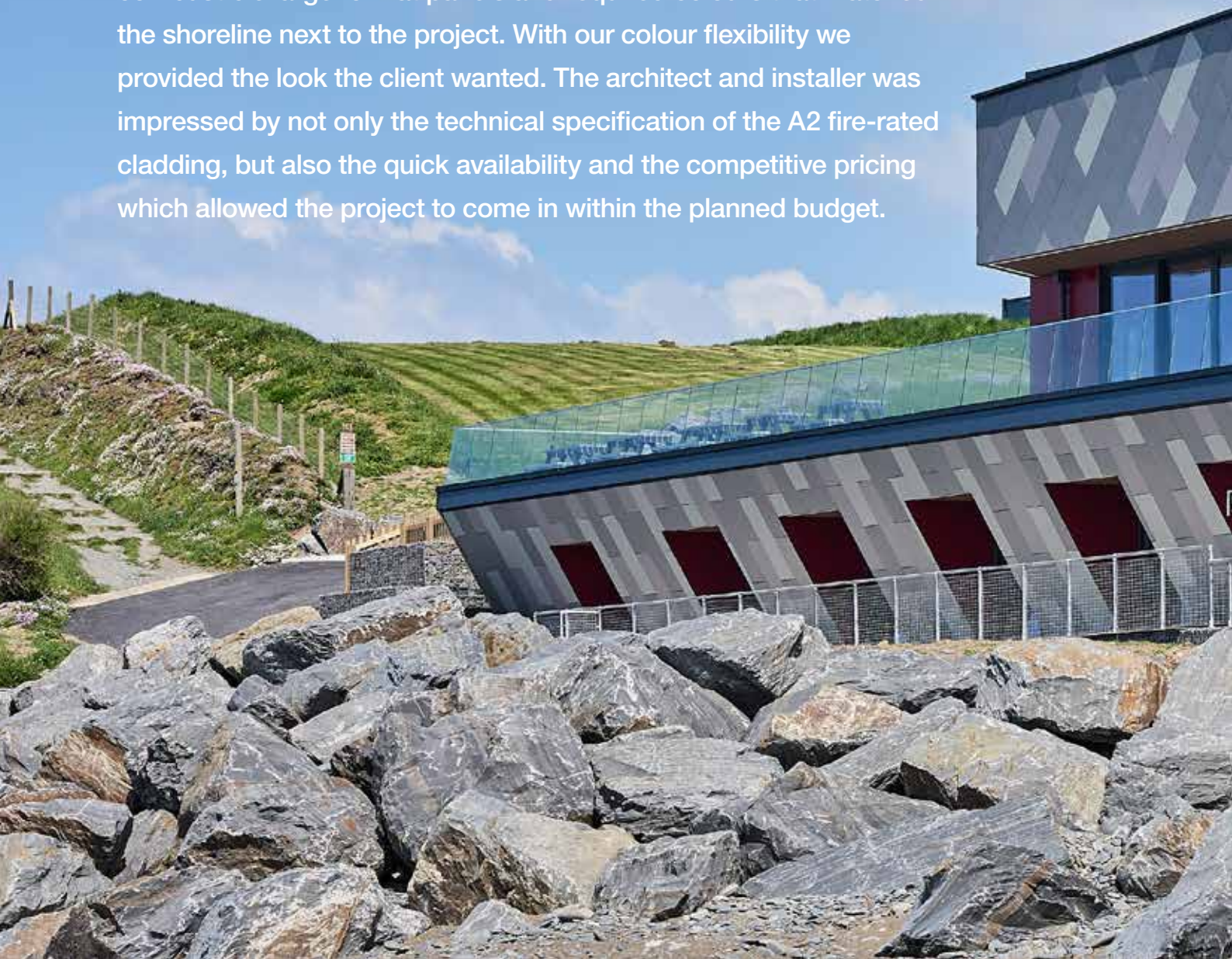
## Custom colour

Not the right colour for you? Hardie® Architectural Panel is available in custom colour – choose from your favourite colour systems like RAL or NCS – for unique buildings and maximum design flexibility.

## CASE STUDY

# Clarach Bay, Aberystwyth

Hardie® Panel has been utilised as the panel of choice on a unique leisure centre project. The project brief specified the use of non-combustible large format panels and required colours that matched the shoreline next to the project. With our colour flexibility we provided the look the client wanted. The architect and installer was impressed by not only the technical specification of the A2 fire-rated cladding, but also the quick availability and the competitive pricing which allowed the project to come in within the planned budget.







This development had its unique challenges and with the support of the manufacturer we were able to develop a solution that will withstand the salt, sea and air over time. We are certainly looking forward to working with James Hardie going forward and specifying any future innovations”.

Architect & Installer – Nick Carroll Architects



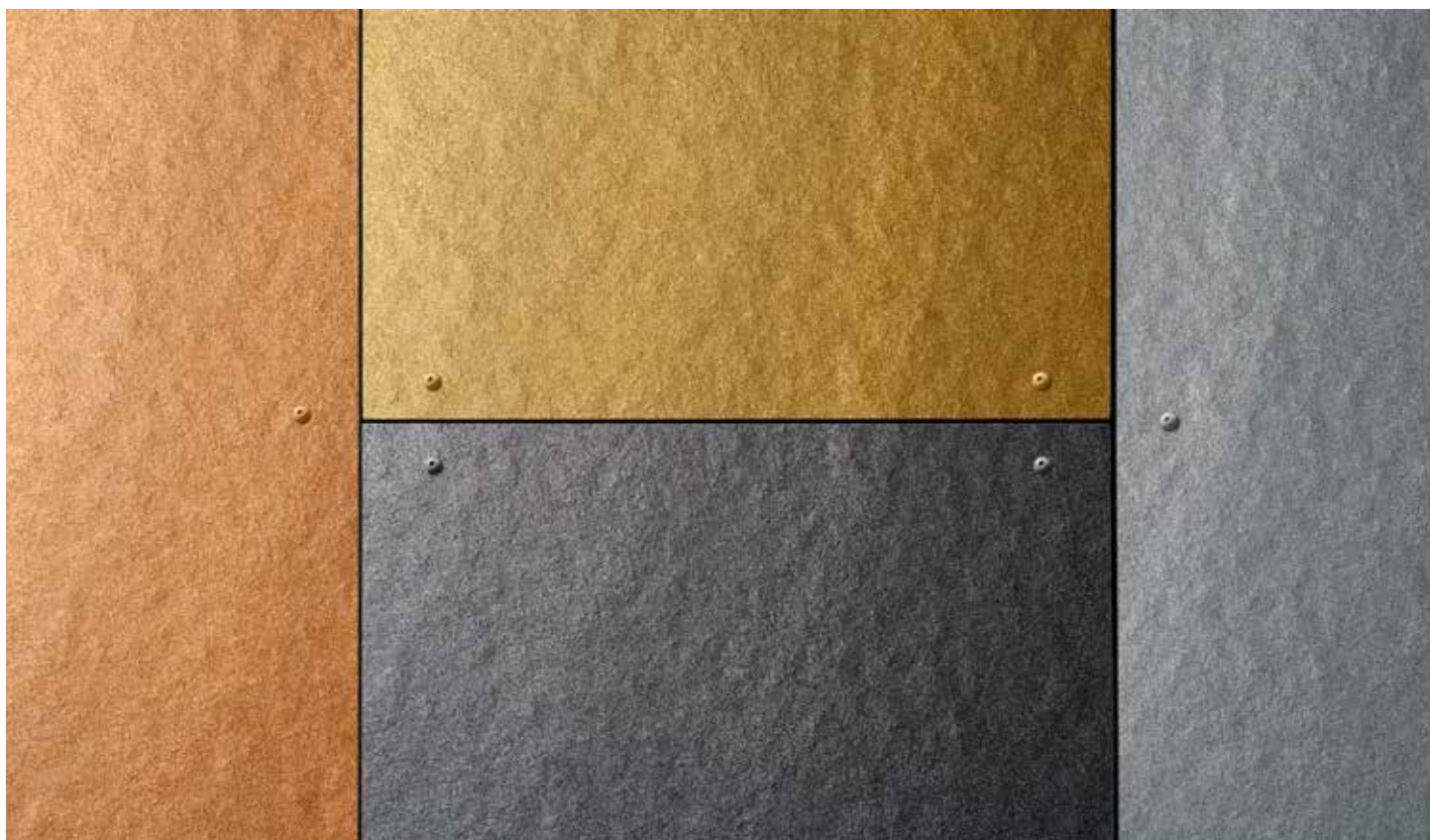


UNIQUE FIBRE CEMENT TEXTURE  
WITH A METALLIC LOOK

# Hardie® Architectural Panel Metallics







## Technical values

Thickness	8 mm	11 mm
Length	Raw: 3048 mm Net: 3038 mm	
Width	Raw: 1220 mm Net: 1210 mm	
Density	~ 1300 kg/m <sup>3</sup>	
Weight	11,2 kg/ m <sup>2</sup>	13,7 kg/m <sup>2</sup>
Thermal conductivity	$\lambda_{10, tr} = 0,23 \text{ W/mK}$	
Thermal resistance	$R_{10, tr} = 0,035 \text{ m}^2\text{K/W}$	$R_{10, tr} = 0,048 \text{ m}^2\text{K/W}$
Flexural strength (as per EN 12467)	15,5 MPa perpendicular to fibre direction 10,1 MPa parallel to fibre direction	18,0 MPa perpendicular to fibre direction 12,5 MPa parallel to fibre direction
Modulus of elasticity	6200 N/mm <sup>2</sup>	
Linear Strain	$\leq 0,05 \text{ mm/m}^*$	
Impact Resistance (soft and hard impact as per EAD 090062-00-0404)* <sup>1</sup>	–	Category 1 (H1-3, S1-4)

**A2**  
fire-rated

**15 Year**  
Warranty



\* between 30 % and 90 % rel. humidity  
\*<sup>1</sup> on timber aluminum steel and NV3

## TEXTURE &amp; COLOUR

# Hardie® Architectural Panel Metallics

Your perfect match: Hardie® Architectural Panel  
Metallics combines the advantages of fibre cement  
facade cladding with a metallic look. Elevating your  
design flexibility to a new level.



Natural Fibre  
Cement



Silver



Gold



Copper



Steel



Bronze



Gunmetal

## Setting accents

Our Metallics colourline has been inspired by typical metal materials, combining them with the unique look of our fibre cement surface.

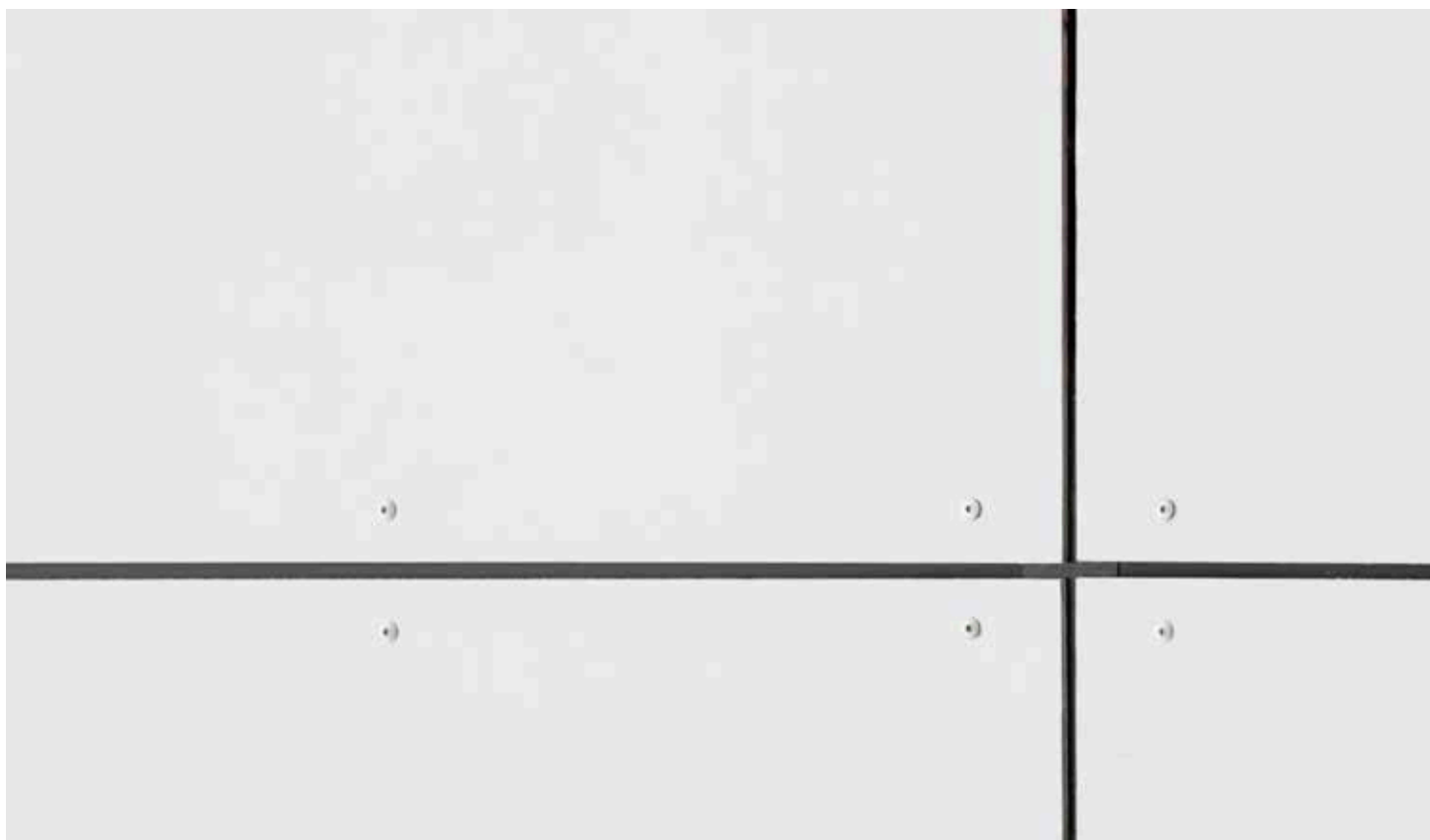
When exposed to natural sunlight, the facade panel will show its metallic sparkling, allowing you to integrate special accents into your building.



MEDIUM DENSITY FIBRE CEMENT  
ENGINEERED FOR EUROPEAN CLIMATE

# Hardie® Panel





## Technical values

Thickness	8 mm	11 mm
<b>Length</b>	Raw: 3048 mm Net: 3038 mm	
<b>Width</b>	Raw: 1220 mm Net: 1210 mm	
<b>Density</b>	~ 1300 kg/m <sup>3</sup>	
<b>Weight</b>	11,2 kg/ m <sup>2</sup>	13,7 kg/m <sup>2</sup>
<b>Thermal conductivity</b>	$\lambda_{10, tr} = 0,23 \text{ W/mK}$	
<b>Thermal resistance</b>	$R_{10, tr} = 0,035 \text{ m}^2\text{K/W}$	$R_{10, tr} = 0,048 \text{ m}^2\text{K/W}$
<b>Flexural strength</b> (as per EN 12467)	15,5 MPa perpendicular to fibre direction 10,1 MPa parallel to fibre direction	18,0 MPa perpendicular to fibre direction 12,5 MPa parallel to fibre direction
<b>Modulus of elasticity</b>	6200 N/mm <sup>2</sup>	
<b>Linear Strain</b>	$\leq 0,05 \text{ mm/m}^*$	
<b>Impact Resistance</b> (soft and hard impact as per EAD 090062-00-0404)* <sup>1</sup>	–	Category 1 (H1-3, S1-4)

**A2**  
fire-rated

**15 Year**  
Warranty



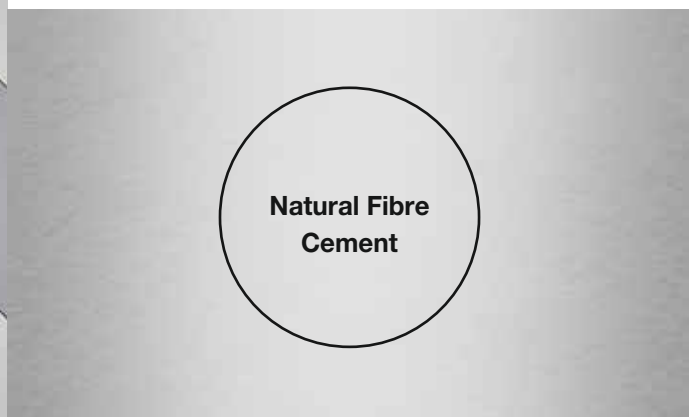
\* between 30 % and 90 % rel. humidity  
\*<sup>1</sup> on timber aluminum steel and NV3



## TEXTURE &amp; COLOUR

# Hardie® Panel

Hardie® Panel is available in a natural fibre cement texture and a variety of core colours – and if you need something special, you can choose from almost any colour – for your individual design.





## Modern colours for clean lines

For your individual look, you can play with one of our standard colours from the modern colourline we offer. Or further upgrade your building by adding in or choosing your individual custom colour.



## Custom colour

Not the right colour for you? Hardie® Panel is available in custom colour – choose from your favourite colour systems like RAL or NCS – for unique buildings and maximum design flexibility.

## CASE STUDY

# Mitcham Road, London

Featherstone Homes completed this luxury development of 22 apartments in London using custom colour Hardie® Panel. The project spanned 800m<sup>2</sup> and required our products to be used in walkways, balconies and soffits. The developer's commitment to their projects is to help purchasers move in to a home which has been built to exceptional standards and therefore chose James Hardie as one of their trusted partners due to the quality of our products. This is their fourth project working with us.



James Hardie have been amazing! Their level of professionalism and commitment towards supplying the cladding at Mitcham was outstanding. James Hardie offers a profound service, they aim to understand their clients needs and execute the task effectively every-time.”

Company Buyer – Sam Waters



## FINISHING TOUCHES

# A Reliable System



Our accessories were developed for easy installation and perfectly complement to our Hardie® Panel cladding range, providing an overall system you can rely on.

Hardie™ Panel MetalTrim™ profiles are the perfect finish for a modern facade with accessories that fit the panel colour perfectly, by creating a nice contrast with colour-headed fixings and profiles. Colour matched rivets or screws can also be sourced for your project.



#### Hardie™ Panel MetalTrim™

Length: 3000 mm, for exterior corners. Available in all standard colours to match the Hardie® Panel range.



#### Hardie™ Panel Rivet

with stainless steel rivet mandrel for the installation of Hardie® Panel cladding to metal sub-frames.





#### Hardie™ Panel Standing Seam Trim

Length: 3 000 mm, facade design option. Available in Anthracite Grey and Midnight Black. Other colours available on request.



#### Hardie™ Panel Standing Seam End Trim

Length: 3 000 mm, facade design option. Available in Anthracite Grey and Midnight Black. Other colours available on request.



#### Hardie™ Panel screws for timber

A2 stainless steel screws for attaching the Hardie® Panel cladding to wooden sub-frames.



#### Hardie™ Seal edge coating

Essential for optimum installation. Use for coating cut ends to ensure long lasting performance of the facade.



## THE BEST

# Expertise on your Side

Our dedicated team of Hardie® Panel experts have extensive experience and specialist knowledge to support your project, so contact us to see how we can help meet your requirements. Trust our fibre cement products knowing that you have made the best choice.





### Chose your fixing system:

Hardie® Panel can be used with most standard fixing systems on the market. Contact our team for further technical details on the solutions.



Hardie® Panel  
Screw Fixing



Hardie® Panel  
Rivet Fixing



Hardie® Panel  
Secret Fix



INNOVATIVE PRODUCT DESIGN MEETS

# Smart Sustainability

Hardie® Panel and  
Hardie® Architectural  
Panel are setting new  
sustainability standards  
in facade cladding for  
CO<sub>2</sub> and use of resources  
– EPD verified.



## Innovative Medium Density for European Climate

For our advanced generation of products, we use medium density fibre cement that minimises resource and CO<sub>2</sub> levels.

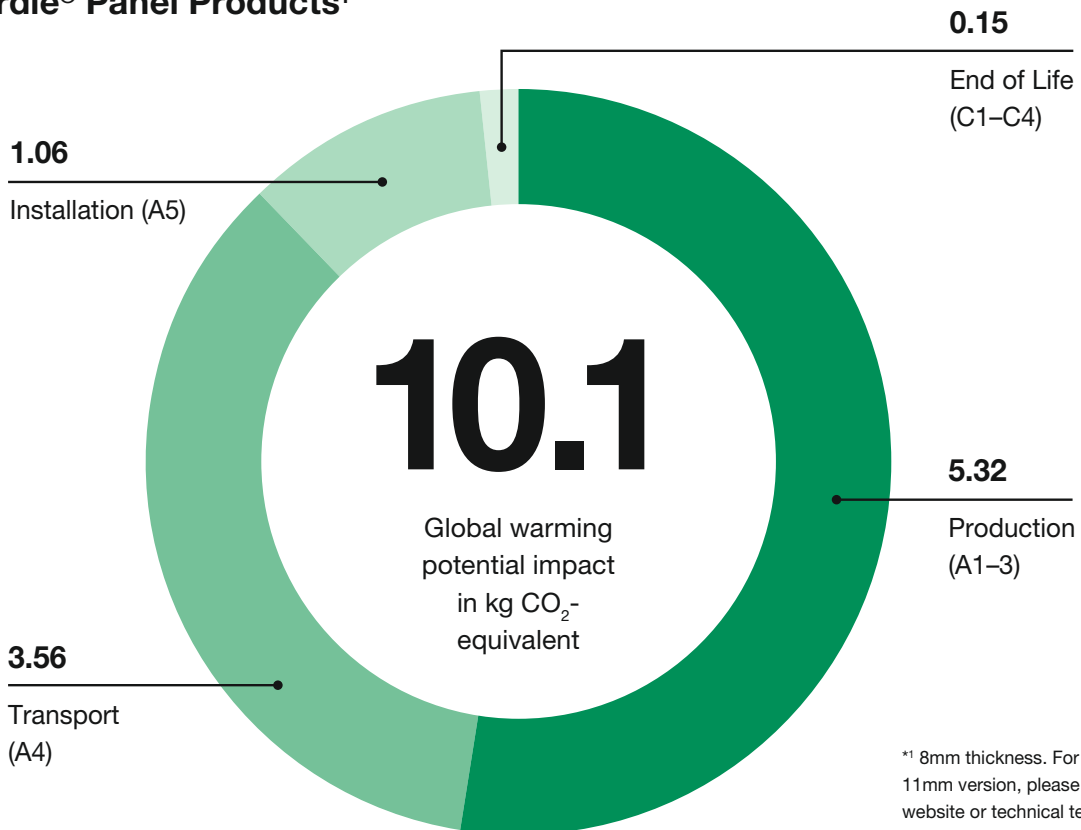
Perfectly adapted to the European climate. Perfect suitability for all applications.

- **Smart sustainability**  
meets endless design possibilities
- **Lowest global warming potential**  
amongst non-combustible facade materials\*
- **Unique technology**  
engineered for durability in European climate

\* production, transport, installation and end-of life stage



### Total lifecycle emissions for all Hardie® Panel Products<sup>1</sup>



INNOVATIVE PRODUCT DESIGN MEETS

# Technical Information



## Composition

Hardie® Panel cladding products are made of Portland cement, sand, cellulose fibres, water and selected additives.

## Quality & Certification

The production of Hardie® Panel cladding is audited annually by external auditors. Hardie® Panel cladding product specifications and classifications comply with EN 12467:2012 and EN13501-1.





## Applications

Purposely designed as an external cladding for residential and commercial buildings in both new build and renovation. Hardie® Panel is a cladding material for rainscreen systems fixed to a main substrate of timber frame, metal frame or masonry wall construction. Hardie® Panel cladding can be installed horizontally and vertically, with or without insulation.

## Squareness

The panels are supplied square and straight according to EN12467 – level 1.

## Sub-Frame

Hardie® Panel cladding can be installed on timber, aluminium or steel sub-frames using corrosion resistant screws or rivets.

## Easy installation

Cutting with Hardie™ Blade saw blade, suitable for most cable- or battery-powered circular saws.

## Approvals

Construction material class as per EN 13501-1: has a fire classification of A2-s1,d0.

## Properties

Fibre cement panels according to EN 12467 – Type A, class 2.

## INNOVATIVE PRODUCT DESIGN MEETS

# Project Support

Our dedicated team of Hardie® Panel experts have extensive experience and specialist knowledge to support your project. Trust our fibre cement products knowing that you have made the best choice. Contact us using the QR code below to see how we can help meet your requirements.



Contact your local Hardie® Panel expert:  
[jameshardie.co.uk/local-representative](https://jameshardie.co.uk/local-representative)



Find all technical documents:  
[jameshardie.co.uk/technical-literature](https://jameshardie.co.uk/technical-literature)



Order your Hardie® Panel sample now:  
[jameshardie.co.uk/panel-sample-request](https://jameshardie.co.uk/panel-sample-request)





### Custom colour

Choosing individual colours for your projects gives you unlimited design flexibility. How will your next project with Hardie® Panel facade panels look like?



You will find the latest version of this brochure in digital form on our website. Technical modifications subject to changes. Should you require additional information, please contact our customer service. All products are guaranteed for 15 years. Further information on our guarantee promise can be found on our website.

Last updated 04/2024

©2024 James Hardie Europe GmbH.

TM and ® denote registered and unregistered trademarks of James Hardie Technology Limited and James Hardie Europe GmbH.



**James Hardie Europe GmbH**

7 The Priory  
Old London Road  
Canwell  
Sutton Coldfield  
B75 5SH

**Contact information:**

Tel: 0121 311 3480  
Email: [info@jameshardie.co.uk](mailto:info@jameshardie.co.uk)  
[www.jameshardie.co.uk](http://www.jameshardie.co.uk)