

# Technical Datasheet

## Hardie® Panel

### Facade cladding



**A2 fire-rated performance that's affordable. With James Hardie, It's Possible™**

- Design flexibility
- Durable
- Affordable performance
- A2 fire protection

**15 Year**  
**Warranty**

#### Product

Hardie® Panel are 8mm or 11mm thick, large size and weather resistance facade panels made from fibre cement with coloured surface. James Hardie fibre cement is made of Portland cement, milled sand, cellulose fibres, water and selected additives.

#### Application

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

#### Approvals

Construction Material Class as per EN 13501-1: non-combustible A2-s1, d0

## Properties

Fibre cement panels according to DIN EN 12467: Class 2, Type A, Level I

Thickness	8mm	11mm
Length	Raw: 3048 mm, Net*: 3038 mm	
Width	Raw: 1220 mm, Net*: 1210 mm	
Density	~ 1300 kg/m <sup>3</sup>	
Weight	10,2 kg/m <sup>2</sup>	14,4 kg/m <sup>2</sup>
Thermal conductivity	$\lambda_{10, tr} = 0,23 \text{ W/mK}$	
Thermal resistance	$R_{10, tr} = 0,035 \text{ m}^2\text{K/W}$	$R_{10, tr} = 0,048 \text{ m}^2\text{K/W}$
Characteristic value: Flexural Strength (as per EN 12467)	16,0 MPa perpendicular to fibre direction 11,0 MPa parallel to fibre direction	17,7 MPa perpendicular to fibre direction 11,9 MPa parallel to fibre direction
Water absorption (as per DIN 52103:1988-10, Procedure A, 14 days):	30%	
Modulus of elasticity	6200 N/mm <sup>2</sup>	
Linear Strain	$\leq 0,5 \text{ mm/m}$	
Impact Resistance (as per EAD 090062-00-0404)	Category 1 (H1-3, S1-4)	

\* we recommend trimming of 5mm per side for optimal squareness

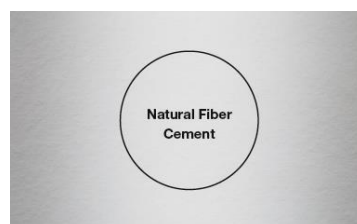
## Dimensional tolerance for equilibrium moisture content for standard panel sizes as per EN 12467

Length tolerance	$\pm 5 \text{ mm}$	
Width tolerance	$\pm 3,66 \text{ mm}$	
Thickness tolerance	$\pm 0,8 \text{ mm}$	$\pm 1,1 \text{ mm}$
Squareness	2mm/m	

## Textures and Colours

Front side with coloured coating and natural fibre cement surface  
Backside: slightly rough, potentially paint residues.  
Colour of the panel: light grey

Available in 6 standard colours and custom colour (RAL or NCS):



### Storage

For 8mm thickness 25 panels and for 11mm thickness 18 panels are stacked on wooden pallets packed with a protective film against environmental impact. Outdoor storage is possible due to frost resistance of the product. A film cover must be used for protection against moisture and

### Disposal

Disposal as per local regulations for concrete / fibre cement  
EAK: 170101 (Concrete)

### Warranty

15 years as per warranty statement

### Additional Information

Our recommendations are based on extensive tests and practical experience. They do not replace guidelines, standards, approvals, and applicable technical data sheets. Due to the multitude of possible influences during processing and application, we recommend testing the processing and application prior to installation.

However, because of factors that fall beyond James Hardie's knowledge and control, which can affect the use of the products, no warranty is given or implied with respect to such information. James Hardie's policy is one of continuous improvement. James Hardie therefore reserves the right to alter specifications at any time and without notice. Delivery, processing, and warranty for the properties guaranteed by us are carried out in accordance with our General Terms and Conditions.

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