

Hardie® Panel Facade cladding



VALUE FOR MONEY: HARDIE® PANEL FACADE CLADDINGS COMBINE A MODERN LOOK, LONG DURABILITY AND AFFORDABILITY

- Design flexibility
- Durable
- Endless colour variety
- A2 fire protection

15 Year
Warranty

PRODUCT

Hardie® Panel facade panels are 8mm or 11mm thick, large size and weather resistance panels made from fibre cement with coloured surface.

The James Hardie fibre cement is made of Portland cement, milled sand, cellulose fibres, water and selected additives.

APPLICATIONS

Purposely designed as an external cladding for residential and commercial buildings in both new build and renovation. Hardie® Panel cladding is a rainscreen system 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.

APPROVALS

- Construction material class as per EN 13501-1

fire classification: A2-s1, d0

PROPERTIES

- Fibre cement panels according to EN 12467

Type A, class 2

Material characteristics	
Gross Density	~ 1300 kg/m ³
Mass per unit area	8 mm = 11,2 kg/ m ² 11 mm = 13,9 kg/m ²
Thermal conductivity	$\lambda_{10, tr} = 0,23$ W/mK
Thermal resistance	8 mm = $R_{10, tr} = 0,035$ m ² K/W 11 mm = $R_{10, tr} = 0,048$ m ² K/W
Flexural strength (as per EN 12467)	8mm: 15,5 MPa perpendicular to fibre direction 10,1 MPa parallel to fibre direction 11mm: 18,0 MPa perpendicular to fibre direction 12,5 MPa parallel to fibre direction
Water absorption (as per DIN 52103:1988-10, Method A):	30%
Young's modulus	6200 N/mm ²
Linear Strain	≤ 0,05 mm/m*
Impact Resistance (soft and hard impact as per EAD 090062-00-0404)* ²	11mm: Category 1 (H1-3, S1-4)

* between 30 % and 90 % rel. humidity

*² on timber aluminum steel and NV3

Dimensional tolerance for equilibrium moisture content for standard panel sizes	
Thickness	8 mm, 11mm
Size Raw	3048 mm x 1220 mm
Size Net (recommended for squareness)	3038 mm x 1210 mm
Length tolerance	± 5 mm
Width tolerance	± 3,66 mm
Thickness tolerance	+ 1,2 mm – 0,8mm

TEXTURES & COLOURS

Coloured front side with slightly textured surface
Backside: slightly rough, potentially paint residues
Colour of the panel: light grey

Available in 6 standard colours and custom colours:

- Arctic White
- Grey Slate
- Anthracite Grey
- Midnight Black
- Cobblestone
- Light Mist
- Custom Colour

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 dirt.

DISPOSAL

Disposal as per local regulations for concrete / fibre cement

WARRANTY

15 years as per warranty statement

ADDITIONAL INFORMATION AND DISCLAIMER

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.