HardieBacker®
CEMENT BACKERBOARD
FOR TILE AND STONE

TECHNICAL DATA SHEET

WATER RESISTANT

MOULD RESISTANT

STRONGEST ON MARKET

EASY TO INSTALL

Description

HardieBacker® Cement Backerboard for tile and stone is a unique, cement based water resistant tile backerboard that can be used on walls, floors and countertops. HardieBacker® has high flexural and compressive strength, resulting in a superior tile bonding surface whilst adding value with its Mouldblock™ Technology.

Physical Properties

SPECIFICATIONS	HardieBacker® EZ Grid® 6mm		HardieBacker® 12mm
Dimensions	1500 x 900 x 6 mm	1200 x 800 x 6 mm	1200 x 800 x 12 mm
Weight	12.5 kg	9 kg	13.8 kg
Reaction to Fire	A1, S1-d0		A1, S1-d0

Basic Composition

Portland cement, sand, cellulose and selected additives. HardieBacker® Cement Backerboard for tile and stone doesn't contain asbestos, gypsum, glass fibre or formaldehyde.

Approved Products

- HardieBacker® Cement Backerboard for tile and stone has been evaluated by the BBA and approved with certificate no. 04/4100.
- The products meet the European standard for fibre cement - EN 12467 and its reaction to fire, in accordance with EN 13501-1, is A1,S1-d0. The product is therefore classified as fully non-combustible.
- HardieBacker® Cement Backerboard for tile and stone is covered by a 10-year limited product warranty.

Health and safety

James Hardie® products contain respirable crystalline silica. During installation, use score and snap technique. During clean up use HEPA vacuums or wet cleanup methods. For further information, refer to our installations instructions and Material Safety Data Sheet (MSDS) available at: www.jameshardie.co.uk

HardieBacker® EZ Grid® 6mm Cement Backerboard for Tile and Stone

	General Property	Test Method	Unit or Characteristic	Requirement	Result
Physical Attributes	Dimensional Tolerances	EN 12467	Length	± 0,5%	Pass
		EN 12467	Width	± 5 mm	Pass
		EN 12467	Thickness	± 6%	Pass
	Weight		kg/m²	As reported	9.25
	Apparent density	EN 12467	Saturated, kg/m³	As reported	1300
	Water Impermeability	EN 12467	Physical Observations	No drop formation	Pass
	Compressive Strength	ASTM D2394			48 Mpa
	Flexural Strength	EN 12467	Equilibrium conditioned, MPa	> 10 MPa	Pass
	Category, class	EN 12467		As reported	NT Category C Class 2, level 3
Durability	Warm Water Resistance	EN 12467			Pass
	Heat/Rain Resistance	EN 12467			Pass
	Freeze/Thaw Resistance	EN 12467			Pass
	Soak/dry Resistance	EN 12467			Pass
Fire	Surface Burning Characteristics	EN13501-1	Fuel Contributed	As reported	A1
		EN13501-1	Smoke Development Index (SDI)	As reported	s1
		EN13501-1	Flames Droplets Index	As reported	d0
		EN13501-1	Euroclass	As reported	A1
	Combustibility	Suitable where non-combustible materials are specified in accordance with local building regulations.			
Thermal	Coefficient of Thermal Conductivity	EN 12667	k-value	As reported	0.19 W/(mxK)
	Coefficient of Thermal Resistance	EN 12667	r-value	As reported	0.039 m².K/W
Weight capacity	Tile weight carrying capacity		kg/m²	As reported	100kg/m² *

* Please contact JH technical department when considering application of heavy tiles

PREVENTS MOISTURE DAMAGE MOULD GROWTH & TILE FAILURE

JamesHardie®

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HardieBacker® 12mm Cement Backerboard for Tile and Stone

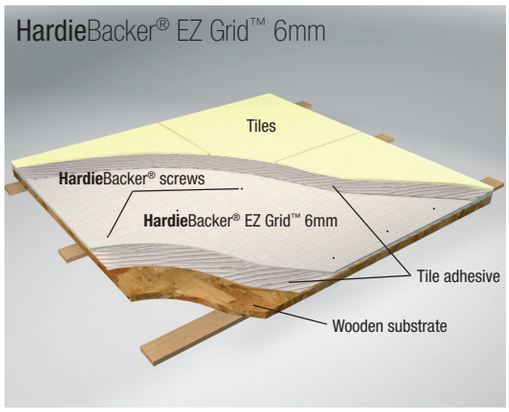
	General Property	Test Method	Unit or Characteristic	Requirement	Result
Physical Attributes	Dimensional Tolerances	EN 12467	Length	± 0,5%	Pass
		EN 12467	Width	± 5 mm	Pass
		EN 12467	Thickness	± 6%	Pass
	Weight		kg/m²	As reported	13.7
	Apparent density	EN 12467	kg/m³	As reported	1140
	Water Impermeability	EN 12467	Physical Observations	No drop formation	Pass
	Compressive Strength	ASTM D2394			45 Mpa
	Flexural Strength	EN 12467	Equilibrium conditioned, MPa	> 10 MPa	Pass
	Category, class	EN 12467		As reported	NT Category C Class 2, level 3
Durability	Warm Water Resistance	EN 12467			Pass
	Heat/Rain Resistance	EN 12467			Pass
	Freeze/Thaw Resistance	EN 12467			Pass
	Soak/dry Resistance	EN 12467			Pass
Fire	Surface Burning Characteristics	EN13501-1	Fuel Contributed	As reported	A1
		EN13501-1	Smoke Development Index (SDI)	As reported	s1
		EN13501-1	Flames Droplets Index	As reported	d0
		EN13501-1	Euroclass	As reported	A1
	Combustibility	Suitable where non-combustible materials are specified in accordance with local building regulations.			
Thermal	Coefficient of Thermal Conductivity	EN 12667	k-value	As reported	0.19 W/(mxK)
	Coefficient of Thermal Resistance	EN 12667	r-value	As reported	0.068 m².K/W
Weight capacity	Tile weight carrying capacity		kg/m²	As reported	100kg/m² *

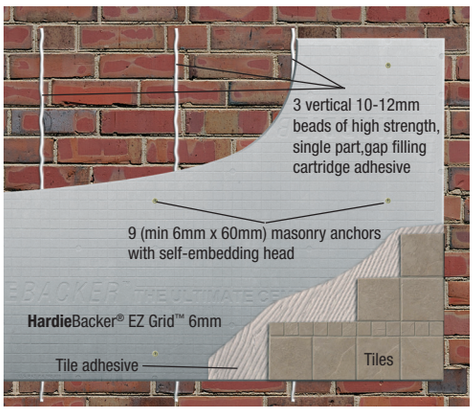
* Please contact JH technical department when considering application of heavy tiles

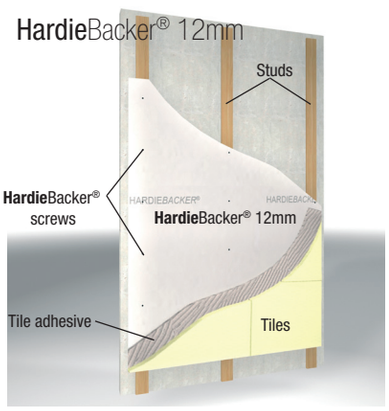
Applications

- **Hardie**Backer® Cement Backerboard for tile and stone is intended as an internal substrate for tiling in residential and commercial properties. It is a water resistant board and can be used in wet areas in both new build and renovation.
- **Hardie**Backer® Cement Backerboard for tile and stone is suitable for use in domestic steam rooms, saunas, swimming pool surrounds and changing areas.
- **Hardie**Backer® Cement Backerboard for tile and stone can be used as backing for new domestic boilers.
- **Hardie**Backer® Cement Backerboard for tile and stone can be used with multi-fuel or log burning stove installations as a reference plate or a decorative non-combustible lining sheet. * This installation is for masonry applications only. It is not to be used as a fire protection board.

How to install **Hardie**Backer® Cement Backerboard for Tile and Stone







* Masonry application for interior use only.

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DO IT ONCE, DO IT RIGHT.™