

# HardieBacker<sup>®</sup>

CEMENT BACKERBOARD  
FOR TILE AND STONE

## INSTALLATION GUIDE



## OUR GUIDE TO INSTALLING HardieBacker<sup>®</sup> WITH A MULTI-FUEL OR LOG BURNING STOVE

DO IT ONCE, DO IT RIGHT.<sup>™</sup>



**WATER**  
RESISTANT



**MOULD**  
RESISTANT



**STRONGEST**  
ON MARKET



**EASY**  
TO INSTALL

## Why use HardieBacker® Cement Backerboard for multi-fuel or log burning stove installation?

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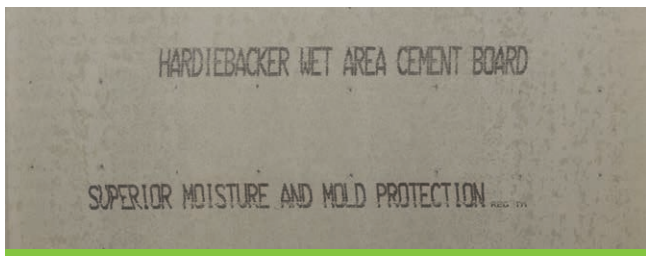
HardieBacker® cement backerboard can now be used as both a register plate and a decorative non-combustible lining sheet for multi-fuel or log burning stove installations. HardieBacker® cement backerboard passes the industry fire test EN 13501-1 giving it fully non-combustible A1 classification. Benefits of using HardieBacker in this application are:

- **No cracking**
- **Easy to cut and install**
- **Suitable for painting or tiling**
- **Dimensionally stable**
- **Withstands temperatures of up to 100°C**



This installation is for masonry applications only, meaning on fully bricked openings, brick chimneys, or brick chimneys with a metal flue. It is not to be used as a fire protection board (heat shield) to protect combustible materials within the fire zone, and it may not be used as a hearth board or around open fires (like open log or coal burning grates). Installations must accord with The Building Regulations 2000 Approved Document J Combustion Appliances and Fuel Storage Systems 2010.

**DO IT ONCE, I**



## HardieBacker®

### PRODUCT INFORMATION

#### Approved product

HardieBacker® cement backerboard is CE and BBA approved (certificate no. 04/4100). The product meets the EN 12467 standard and has a class A1 non-combustibility rating.

#### Warranty

HardieBacker® cement backerboard is protected by a 10-year limited product warranty.



#### Product availability

PRODUCT	DIMENSION	PIECE WEIGHT	PALLET QUANTITY	PALLET WEIGHT
HardieBacker® 12mm	1200 x 800 x 12mm	13.8 kg	50 pcs	740 kg

## Cutting the sheets:

#### Score-and-snap

##### Straight cuts:

Sheets are easily cut using the carbide tipped scoring knife. Score the board firmly using a straight edge as a guide and pull the board edge upwards to snap the board.

##### Circular cuts:

Score the desired hole size, score an x creating a weak point in the centre of the circle, then tap it out with a hammer. Alternative method is to use a masonry hole saw or a jigsaw fitted with a fibre cement board blade.



# How to install HardieBacker® cement



## 1. Check chimney condition and suitability:

Before installing HardieBacker® the masonry wall should be inspected to ensure it is structurally sound, clear of obstructions and the correct size for the appliance to be used. The board should be installed no closer than 100mm to the outside case of the stove. Verify combustible clearances for building regulations.



## 2. Fasten HardieBacker® with HardieBacker® screws:

If the board is to be painted it can be screwed directly to the brickwork using 9 no. 32mm HardieBacker® screws spaced evenly along and across the board (3 screws in 3 rows). If the board is to be tiled, a bed of cement based tile adhesive must also be applied to the wall using a 6mm notched towel. This additional adhesive is required to hold the additional weight of the tiles, adhesive and grout that is used in the tiling process

# nt backerboard as a register plate



### 3. Cut hole for register plate:

Mark the position of the flue opening through the register plate. Cut a hole through the HardieBacker® with a suitable tungsten carbide tipped hole saw or a jigsaw fitted with a blade suited to cutting fibre cement boards. The hole cut to accept the flue must be 20mm oversize to provide a 10mm gap between the flue and the edge of the HardieBacker®. Once the hole is cut, the register plate can be fitted into the supporting metal frame.



### 4. Seal joints and gaps:

Seal the joints and gaps of the register plate with a suitable fire mastic or fire cement. HardieBacker® should be allowed to acclimatise for 24 hours before using the stove.



## 5. Finish HardieBacker® with black matt spray or tile:

### Finish with Black Matt Spray

When HardieBacker® is only being used to line the hearth before setting the fire in place, spray HardieBacker® with a matt black heat resistant paint to provide the desired black background to the stove. Follow paint manufacturers' installation recommendations.

OR

### Finish HardieBacker® with Tile

Make sure HardieBacker® is clean, dry, and ready to receive tile. Follow directions of the tile adhesive manufacturer.



Please follow the stove manufacturers' conditioning requirements carefully as too much heat very quickly can lead to problems with both your stove and the HardieBacker® substrate.

# Health & safety instructions

## James Hardie recommended cutting practices

### Outdoors

- Position cutting station so that wind will blow dust away from user or others in working area.
- Use one of the following methods based on the required cutting rate:

#### Good

- Dust reducing circular saw with a James Hardie® blade.

#### Better

- Dust reducing circular saw equipped with a James Hardie® blade and HEPA vacuum extraction.

#### Best

- Score-and-snap.

### Indoors

- Cut only using score-and-snap.
- Position cutting station in a well ventilated area.
- NEVER use a power saw indoors.

- NEVER use a circular saw blade that does not carry the James Hardie® logo.
- NEVER dry sweep - use wet suppression or HEPA vacuum.

IMPORTANT NOTE: For maximum protection (lowest respirable dust production), James Hardie recommends always using 'Best' level cutting methods where feasible. EU-OSHA approved respirators can be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at [www.jameshardieeu.com](http://www.jameshardieeu.com) to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact James Hardie for further information.

## Health warning - avoid breathing dust

James Hardie® products contain crystalline silica. This mineral is found everywhere in the world - often in the form of sand - and, therefore, commonly used in many construction products (for example brick, concrete, glass wool and abrasives). The mineral itself is inert, but certain building practices such as drilling, high speed cutting and abrading can release fine particulate dust which may constitute a health hazard. Excessive or protracted inhalation of fine particle silica dust can lead to a lung disease called silicosis. There is also some evidence that it may increase the risk of lung cancer if inhaled for prolonged periods. Smoking may also exacerbate this risk. Like smoking, the risk from fine particle silica dust is time and concentration dependent.

### Control:

To suppress or to reduce excessive inhalation of fine particle silica dust the following steps should be taken to protect operatives who work with products containing silica dust:

- During fabrication operate outdoors or in a well ventilated space in a separate area if available or away and down-wind from other operatives;
- Use low speed, low dust cutting tools - Score-and snap-knife, James Hardie® blade fitted to a circular saw connected to a dust extraction HEPA filter vacuum cleaner (see James Hardie tools);
- When cutting, drilling or abrading always wear a FFP2/3 dust control or full face mask adjusted and fitted in conformity with regulatory recommendations and affixed with CE marking and/or fully certified to the relevant EN standards if applicable;
- Keep the working environment clean and remove debris as soon as possible;
- At the end of the operation remove dust from clothes, tools and work area with a HEPA filter vacuum cleaner or damp with water to suppress the dust before sweeping. Remember, James Hardie products are no more dangerous than many other building materials containing crystalline silica sand. We hope through this information to engage in effective education of the construction industry and build upon the requirements of national health and safety regulations. For more information, see our installation instructions on [www.jameshardieeu.com](http://www.jameshardieeu.com) or call James Hardie.

# DO IT ONCE, DO IT RIGHT.™

## Use HardieBacker® Cement Backerboard for Tile and Stone

### Don't forget...

HardieBacker® accessories to make the install quicker and easier.



#### HardieBacker® SCORE-AND-SNAP KNIFE

Cutting of boards can be performed by scoring a line and snapping the board upwards using a straight edge.



#### HardieBlade® FIBRECEMENT SAW BLADE

Specially designed to produce only a low amount of dust. The diamond tipped edges increase blade life. Available in 160 mm, 190 mm, 254 mm and 305 mm diameters.



#### SCREWS

HardieBacker® screws for wood frames. 5.0 x 32 mm, ø head 10 mm. P2 head for walls. 5.0 x 25 mm, ø head 10 mm. PZ2 head for floors



#### FIBATAPE

Fibatape 50 mm x 15m, alkaline-resistant, glass-fibre mesh reinforcing tape.

\*Fibatape should be used only with tile applications

For further information on HardieBacker® please contact our customer service team on:

# 0800 068 3103

or [info.europe@jameshardie.com](mailto:info.europe@jameshardie.com)

To locate a dealer visit  
[www.jameshardie.co.uk/dealers](http://www.jameshardie.co.uk/dealers)

