



HardieBacker®



Tile Backerboard



Product & Installation Guide

Why HardieBacker®?

Protect your tiles with HardieBacker® board, the UK's number 1 engineered tile backerboard for walls and floors.

HardieBacker®
tile backerboard
for walls
1200 x 800 x 12mm



STRONGEST ON THE MARKET

Robust and rigid to provide a dimensionally stable, flat surface for tiling. Takes up to 200kg/m² of tile hanging weight



Do it **Once**, Do it **Right**™



QUICK TO INSTALL

Save time and money with
quick and easy installation



DOESN'T FAIL

Advanced fibre cement
technology means no cracked
tiles or grout and no call backs

HardieBacker®
tile backerboard
for floors

1200 x 800 x 6mm



**Protect your work with
the easy to install tile
backerboard famous
for its strength, mould
and water resistance.**



Find out more

WHICH APPLICATION?

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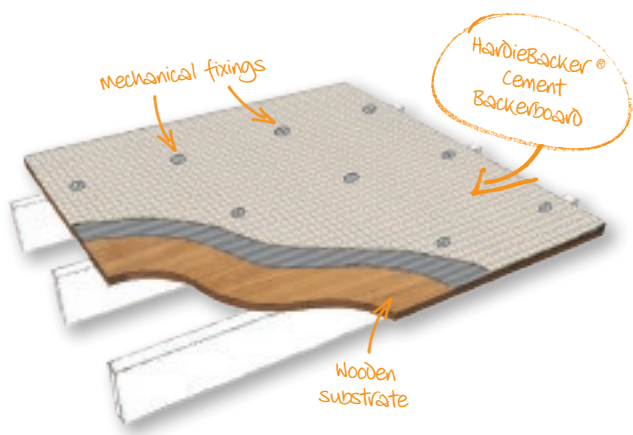
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HardieBacker® 6mm

Timber floor overlay



1 Preparation

- Ensure subfloor is structurally sound and not damaged. Replace any loose, warped or uneven sections of the floor.
- Make certain the subfloor has a clean and flat surface.

2 Installation

- Apply a gap filling bed of tile adhesive to the subfloor using a 6mm notched trowel.
- Embed HardieBacker® boards with a sliding motion firmly and evenly in the wet tile adhesive.
- Stagger all HardieBacker board joints in a broken bond or brick pattern. Never allow all four corners of boards to meet at one point. Do not align with subfloor joints.



**Now quicker to install, only
12 screws needed per board!**



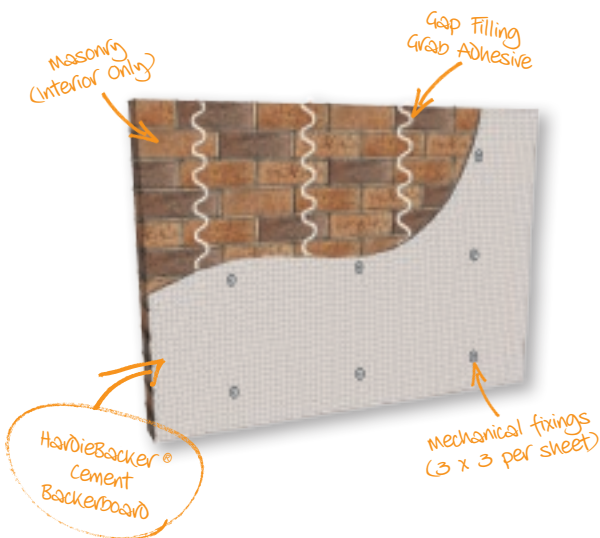
- Leave a 3mm gap between floor and wall edges, vanities, baths etc.
- Fasten a minimum of 12 screws into the board (4 rows of 3 screws). Keep fixings between 15mm from board edges and 50mm from board corners.
- Fill the gap between floor and wall edges with good quality bathroom sealant.

3 Finishing Joints

- Prior to setting the tiles, embed 50mm alkali resistant HardieTape™ across joints and feather tile adhesive to leave a 150mm wide joint.

HardieBacker® 6mm

Masonry wall



1 Preparation

- Remove all existing old dry lining.
- Wipe the back of the HardieBacker® board to remove dust.

2 Installation

- Place three vertical 10-12mm beads of high grab strength cartridge adhesive evenly down the back of the board.
- Press board firmly against the wall into the desired position.
- Fasten HardieBacker boards with 9 (6mm x 60mm) stainless steel screws into brown wall plugs.



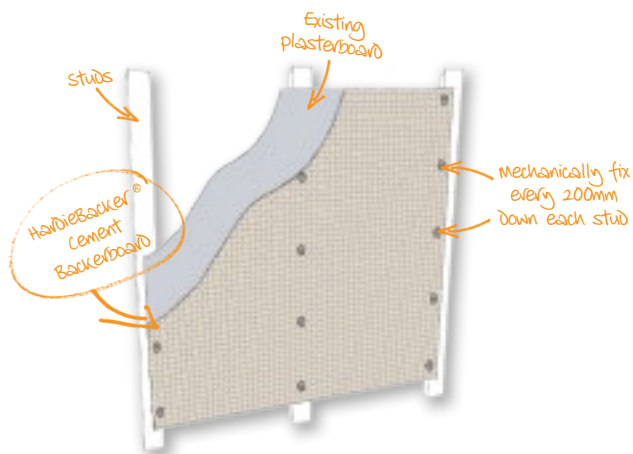
- Screws should remain 100mm from the top and bottom edges and 50mm from the left and right edges.
- Do not overdrive the screw; it must be flush with the front of the board.

3 Finishing Joints

- Prior to setting the tiles, embed 50mm alkali resistant HardieTape™ across joints and feather tile adhesive to leave a 150mm wide joint.

HardieBacker® 6mm

Overboarding plasterboard or plaster



1 Preparation

- Locate existing studs with stud finder and mark the plasterboard or plaster.

2 Installation

- Boards may be installed vertically or horizontally.
- Ensure all vertical joints are made on the centre of the studs.
- Leave a 3mm gap between floor and wall edges and fill with a good quality bathroom sealant.
- Fix stainless steel screws (minimum 45mm length) at 200mm centres.



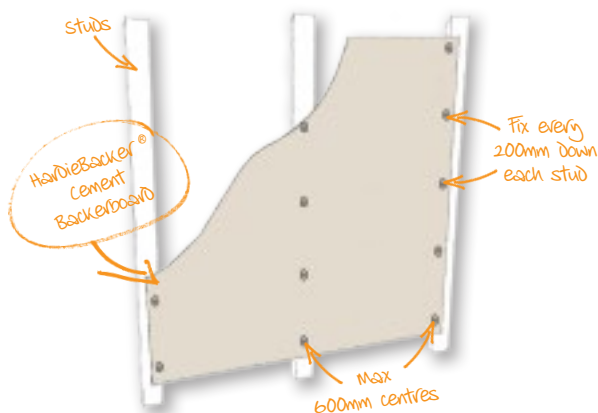
- Keep fixings 15mm from board edges and 50mm in from sheet corners.
- Set heads of fixings flush with the surface, without overdriving.

3 Finishing Joints

- Prior to setting the tiles, embed 50mm alkali resistant HardieTape™ across joints and feather tile adhesive to leave a 150mm wide joint.

HardieBacker® 12mm

Stud wall installation



1 Preparation

- Stud centres can be set at a maximum of 600mm.
- Ensure framing is structurally sound and not damaged.

2 Installation

- Boards may be installed vertically or horizontally.
- Ensure all vertical joints are made on the centre of the studs.
- Leave a 3mm gap between floor and wall edges and fill with a good quality bathroom sealant.
- Fix HardieBacker® tile backerboard 32mm or 35mm screws at 200mm centres.



**Passes impact test
ETAG003 at 600mm centres!**



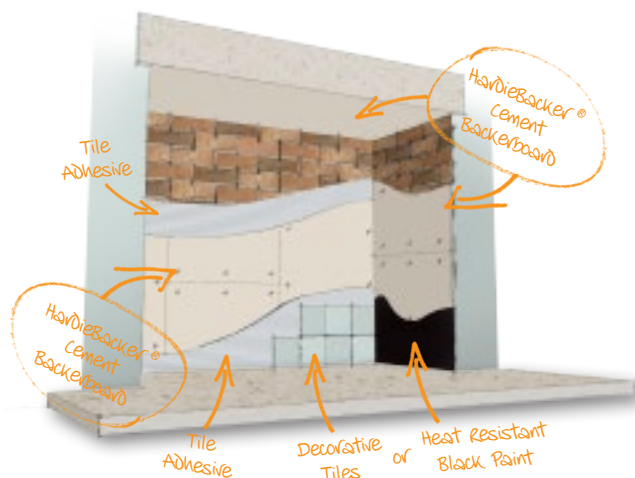
- Keep fixings 15mm from board edges and 50mm in from sheet corners.
- Set heads of fixings flush with the surface, without overdriving.

3 Finishing Joints

- Prior to setting the tiles, embed 50mm alkali resistant HardieTape™ across joints and feather tile adhesive to leave a 150mm wide joint.

HardieBacker® 12mm

Fire surrounds



1 Preparation

- Before installing HardieBacker® board the 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 Installation

For painted finish

- If the board is to be painted it can be screwed directly to the brickwork using nine 60mm screws spaced evenly along and across the board (3 screws in 3 rows).

For tiled finish

- 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.
- Leave a 3mm gap between floor and wall edges and fill the joints with a suitable fire mastic or fire cement. HardieBacker should be allowed to acclimatise for 24 hours before using the stove.

3 Finishing

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 the HardieBacker boards are clean and dry. 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 substrate.

Cutting HardieBacker® boards



Straight cuts

Sheets are easily cut using our carbide tipped Score & Snap 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.

FAQs

1. Do I need to prime HardieBacker® board before I tile onto it?

No. HardieBacker tile backerboard is ready to tile once installed, just wipe down with a damp sponge to remove any dust prior to tiling.

2. Can I fix boards using a dot and dab technique?

No. HardieBacker is not suited to this type of fixing application. Please see installation instructions.

4. Can I use HardieBacker in conjunction with under floor heating?

Yes. HardieBacker is suitable for under floor heating. It should always be placed between the structural timber floor and the heating element.

5. What is the purpose of taping the joints?

The alkaline resistant tape ties the sheets of HardieBacker board together, helping to disperse any movement of the substrate.

6. Can I use HardieBacker tile backerboard outside?

No. HardieBacker is not suitable for external use.

7. Can HardieBacker boards be used in a wetroom?

Yes. HardieBacker must be tanked with a suitable waterproofing system prior to tiling.

8. Which side of HardieBacker should be tiled on?

Either is acceptable, but we recommend the EZ grid® side of the 6mm board, and the smooth side of the 12mm board.

9. Can I finish HardieBacker tile backerboard with anything other than tile?

Yes. HardieBacker can be painted, plastered, and even wallpapered.

10. Can HardieBacker 6mm be used on walls?

Yes. Please ensure that all the edges of the board are fully supported on battens, studs or horizontal noggins.

11. How many screws do I need?

For 6mm floor installations, a minimum of 12 per board. For 12mm installations, this is stud centre dependent but allow for at least 20 per board at 400mm stud centres.

12. Can you install direct to joist?

No. HardieBacker is not structural board. Minimum thickness of chipboard must be 18mm.

Health & safety

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 Hardieblade® saw blade.
 - Better** Dust reducing circular saw with a Hardieblade saw 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 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, HardieBlade® 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.jameshardie.co.uk or call James Hardie.

Don't forget...

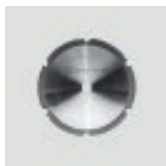
Our range of essential James Hardie accessories to make installation quicker and easier.

ACCESSORIES



HardieBacker® **Score-and-Snap-Knife**

For quick and easy cutting of boards. Simply score a line on the board and snap the board upwards.



HardieBlade® **Saw Blade**

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



HardieBacker® **Screws**

Screws for walls (32 & 35mm) and floors (25mm) are available.



HardieTape® **Fibatape**

Fibatape 50mm x 15m, alkali-resistant, glass-fibre mesh reinforcing tape. Fibatape should be used only with tile applications.

PRODUCT SPECIFICATION

Approved product

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

Warranty

All our fibre cement products are protected by a 10-year limited product warranty.



| Product | Dimension | Piece weight | Pallet quantity | Pallet weight |
|----------------------------|-------------------|--------------|-----------------|---------------|
| HardieBacker® EZ Grid® 6mm | 1200 x 800 x 6mm | 9kg | 60pcs | 540kg |
| HardieBacker® 12mm | 1200 x 800 x 12mm | 13.8kg | 50pcs | 740kg |

For further information please contact:

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or info@jameshardie.com

www.jameshardie.co.uk/dealers







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™ and ® denote registered trademarks of James Hardie Technology Ltd. A James Hardie 10 year limited warranty applies to all our all our fibre cement products. See www.jameshardie.co.uk/warranty for terms and conditions.