

Hardie® Backer

FIBRE CEMENT BACKERBOARD FOR TILE & STONE

THE STRONGEST ON THE MARKET

Because
you're only
as good as
your ~~last~~ job
LASTS

Made better • Installs better • Performs better

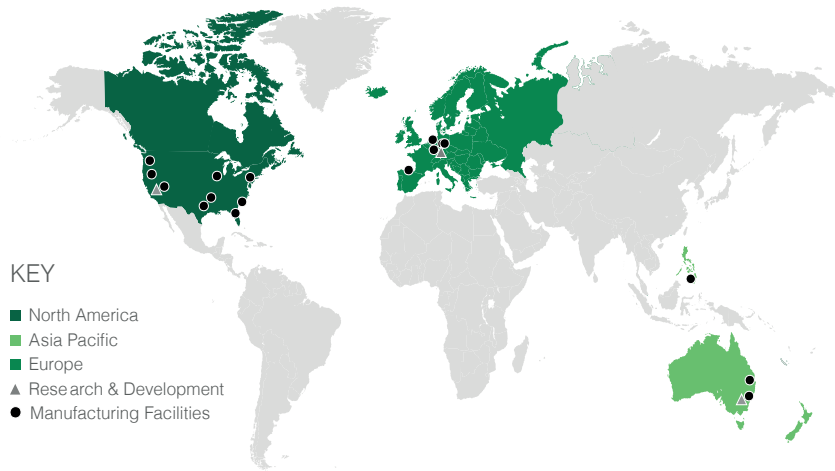
PRODUCT & INSTALLATION GUIDE



www.jameshardie.co.uk

10 Year
Warranty

 JamesHardie™



James Hardie is a world leader in the manufacture of high-performance fibre cement and fibre gypsum building solutions. As the trusted innovator and industry leader we empower homeowners and building professionals alike to achieve their dreams with premium quality solutions. Our products enable endless possibilities for designing forever homes and exceptional buildings, whilst also delivering trusted protection and long-lasting beauty.

We are a fast-paced company dedicated to our customers, market driven innovation, an inclusive and empowering culture, and an unwavering commitment to our Zero Harm safety initiative. Whilst operating with a global mindset, we put great care into how our business can support the local communities in which we operate, live and work in.

For further information:
0121 311 3480
 or info@jameshardie.co.uk

www.jameshardie.co.uk/hardiebacker

Build your projects with a global organisation
 that's been pursuing excellence since 1888.



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Introducing the **Hardie® Backer** Range

Moisture sensitive areas like kitchens and bathrooms are particularly prone to the negative influence of water on tile backer boards. Get the best protection against moisture damage when you use Hardie® Backer tiling backer board.



Quick to install

Save time and money with quick and easy installation



Strongest on the market

Robust and rigid to provide a dimensionally stable, flat surface for tiling. Both 6 mm & 12 mm take up to 200 kg / m² of tile hanging weight



Doesn't fail

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

Format in mm Length	Width	Thickness	Weight per piece in kg
1200	800	6	9
1200	800	12	13.8

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

Technical information

Approved product

Hardie® Backer 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

Hardie® Backer is protected by a 10-year limited product warranty.

10 Year Warranty

Product	Dimension	Piece weight	Pallet quantity	Pallet weight
Hardie® Backer 6 mm	1200 x 800 x 6 mm	9 kg	90 pcs	595 kg
Hardie® Backer 12 mm	1200 x 800 x 12 mm	13.8 kg	50 pcs	740 kg

Note regarding staking pallets - 5 pallets high maximum (both sizes).

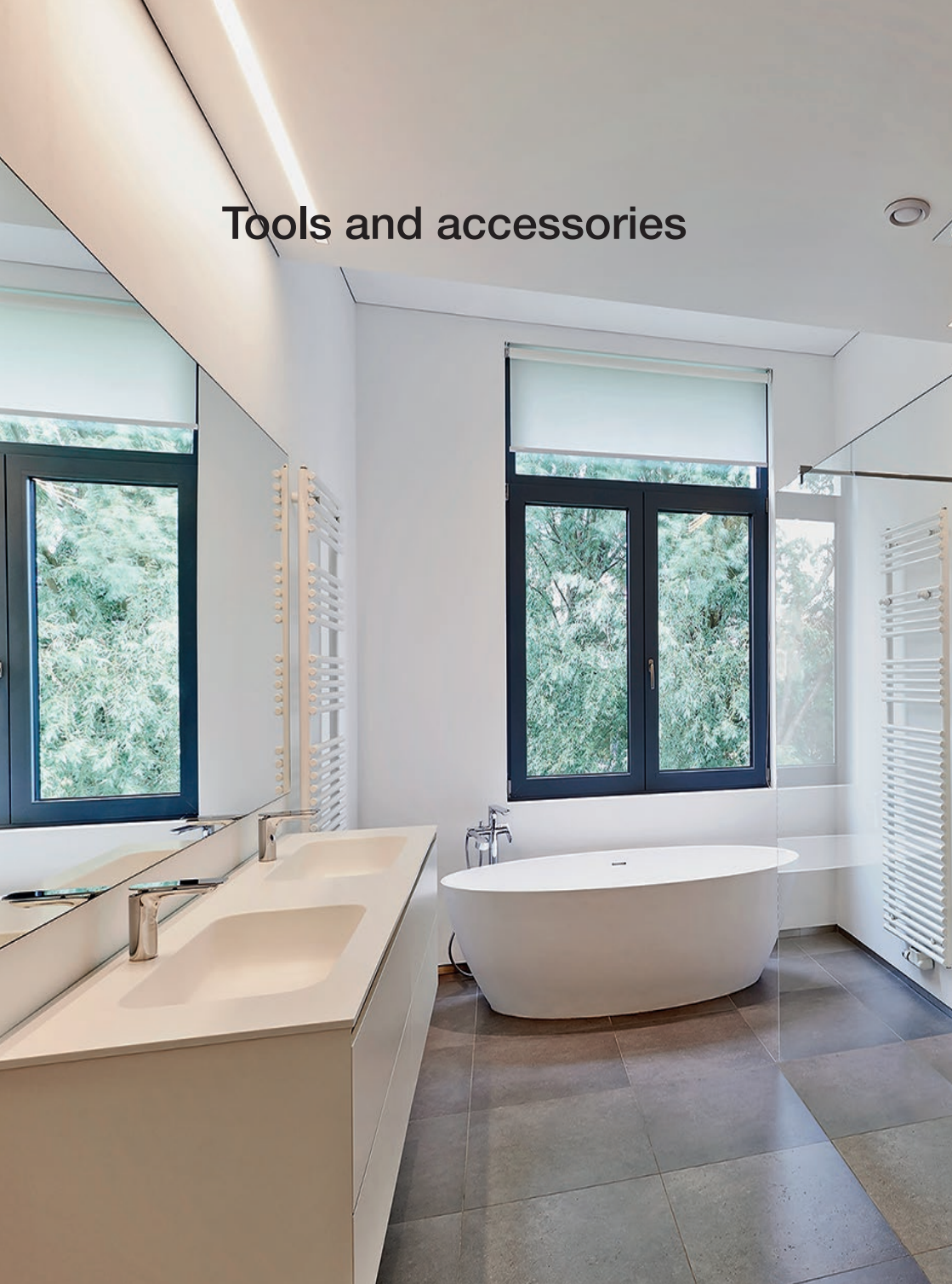
Always refer to own H&S requirements.

Walls, limiting deflection: To BS 5385-1: 2018

- Ceramic tiles = L/360
- Natural stone & LF Ceramic Tiles = L/500



Tools and accessories



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



Hardie™ Backer Score-and-Snap Knife

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



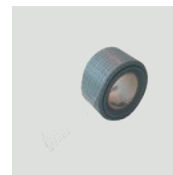
Hardie™ Blade Saw Blade

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



Hardie™ Backer Screws

Carbon Steel Screws with ceramic coating for walls (35 mm) and floors (25 mm) are available.



Hardie™ Backer Tape

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

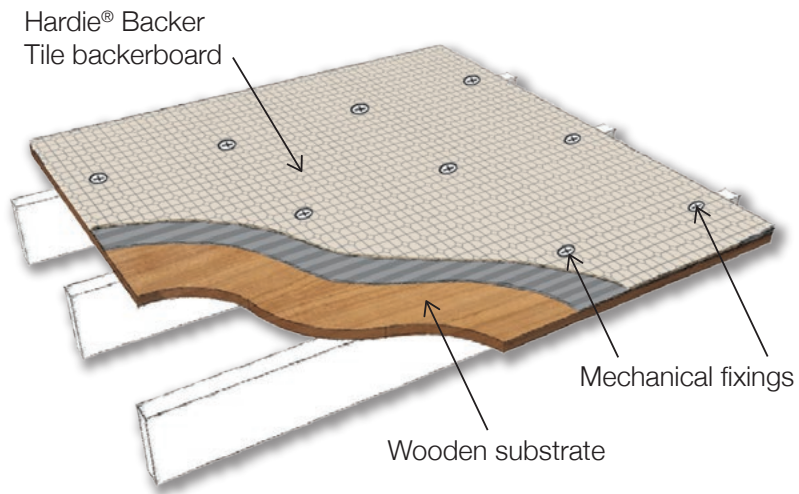


Hardie™ Foam Adhesive

Heavy duty fast fix adhesive to be used in conjunction with Hardie® Backer tile backer board. Usage per tin is 5 m² or 5 boards, drying time for the adhesive is 4-5 minutes.

Hardie® Backer 6 mm

Timber floor overlay



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.

Installation

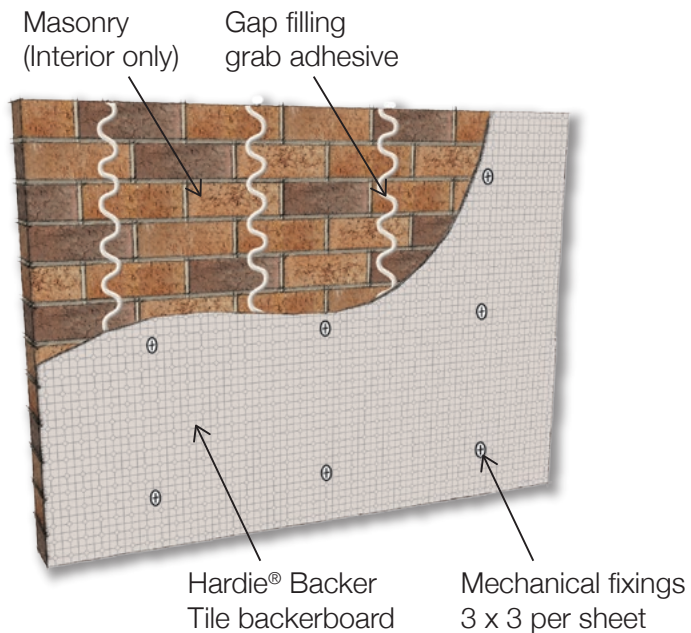
- Apply a gap filling bed of tile adhesive to the subfloor using a 6 mm notched trowel.
- Embed Hardie® Backer boards with a sliding motion firmly and evenly in the wet tile adhesive.
- Stagger all Hardie® Backer board joints in a broken bond or brick pattern, tight gaps are okay. Never allow all four corners of boards to meet at one point. Do not align with subfloor joints.
- Leave a 3 mm 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 15 mm from board edges and 50 mm from board corners. Fix screws while adhesive is still wet, minimum 25 mm screw length.
- Fill the gap between floor and wall edges with good quality bathroom sealant.

Finishing Joints

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

Hardie® Backer 6 mm

Masonry wall



Preparation

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

Installation

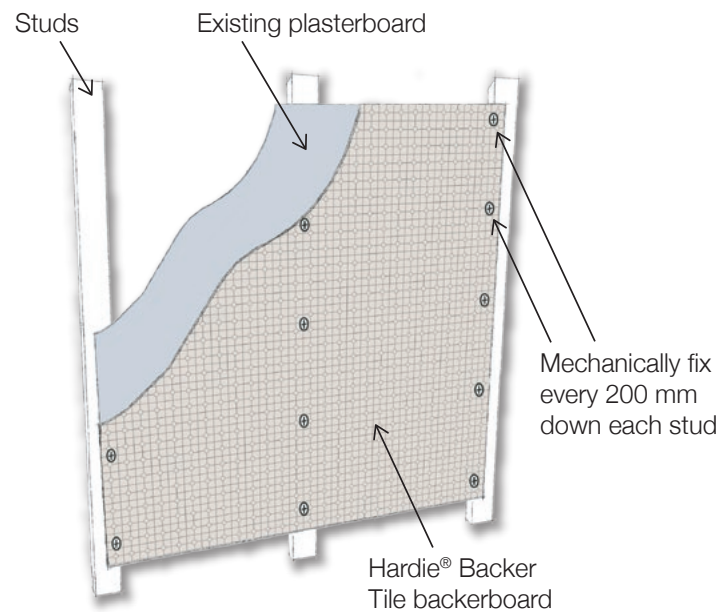
- Place three vertical 10-12 mm beads of high grab strength cartridge adhesive evenly down the back of the board, or a 6 mm bed of tile adhesive.
- Press board firmly against the wall into the desired position.
- Fasten Hardie® Backer boards with 9 (6 mm x 60 mm) stainless steel screws into brown wall plugs.
- Screws should remain 100 mm from the top and bottom edges and 50 mm from the left and right edges.
- Do not overdrive the screws; it must be flush with the front of the board.

Finishing Joints

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

Hardie® Backer 6 mm

Overboarding
plasterboard or plaster



Preparation

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

Installation

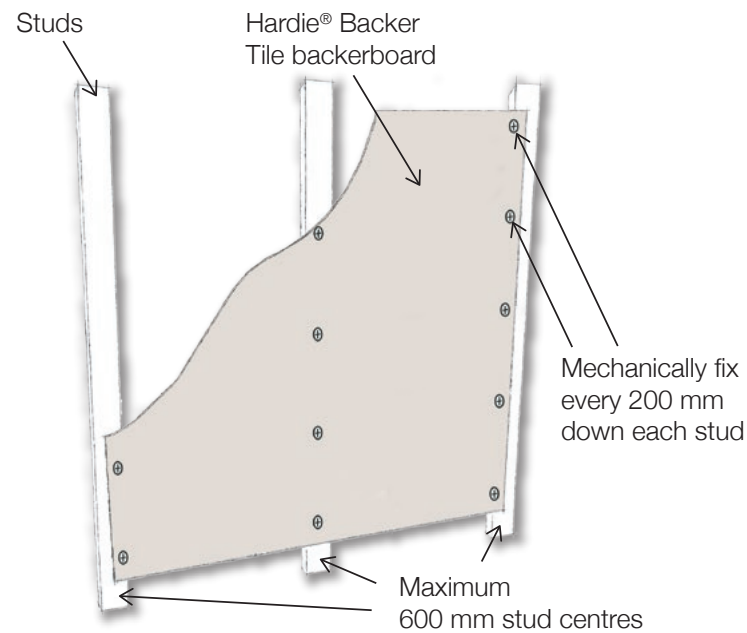
- Boards may be installed vertically, horizontally and butt jointed.
- Ensure all vertical joints are made on the centre of the studs.
- Leave a 3 mm gap between floor and wall edges and fill with a good quality bathroom sealant.
- Fix stainless steel screws (minimum 45 mm length) at 200 mm centres. Larger screws may be required.
- Keep fixings 15 mm from board edges and 50 mm in from sheet corners.
- Set heads of fixings flush with the surface, without overdriving.

Finishing Joints

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

Hardie® Backer 12 mm

Stud wall installation



Preparation

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

Installation

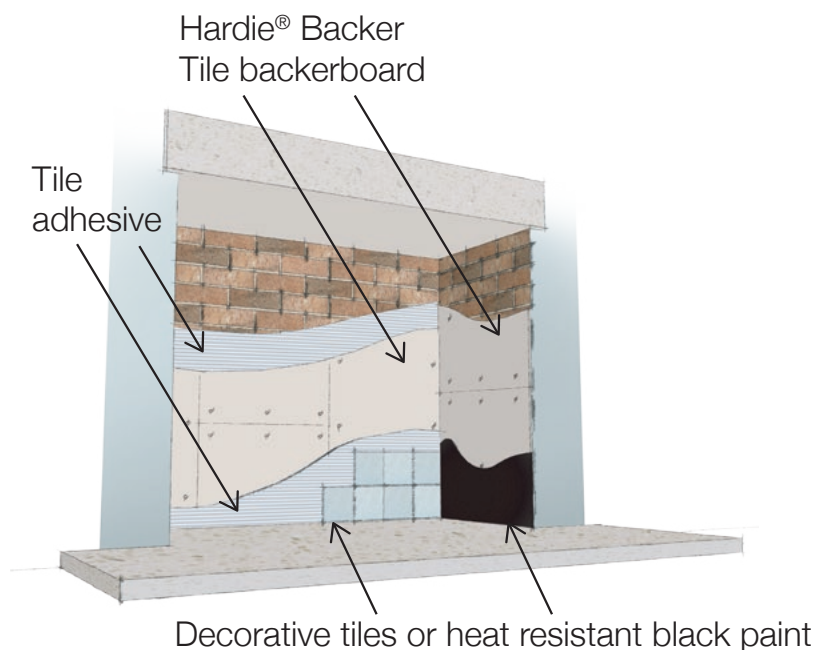
- Boards may be installed vertically or horizontally.
- Ensure all vertical joints are made on the centre of the studs.
- Leave a 3 mm gap between floor and wall edges and fill with a good quality bathroom sealant.
- Fix Hardie® Backer tile backerboard with screws at 200 mm centres.
Timber studs = 5 x 35 mm screws
Steel studs = 4.8 x 35 mm screws
Hardie™ Backer screws are ceramic coated.
- Keep fixings 15 mm from board edges and 50 mm in from sheet corners.
- Set heads of fixings flush with the surface, without overdriving

Finishing Joints

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

Hardie® Backer 12 mm

Fire surrounds



Preparation

- Before installing Hardie® Backer 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. Maximum temperature = 100°C.
- The board should be installed no closer than 100 mm to the outside case of the stove. Verify combustible clearances for building regulations.

Installation

For painted finish

- If the board is to be painted it can be screwed directly to the brickwork using nine 60 mm 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 6 mm notched trowel.
- Leave a 3 mm gap between floor and wall edges and fill the joints with a suitable fire mastic or fire cement. Hardie® Backer should be allowed to acclimatise for 24 hours before using the stove.

Finishing

Finish with black matt spray

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

Or

Finish Hardie® Backer with tile

- Make sure the Hardie® Backer 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.

Hardie® Backer 12 mm

External use



Installation

- Only our 12 mm Hardie® Backer board can be used externally.
- Can be used externally for render, brickslip, tiles, external grade direct paint finish.
- Has to be 150 mm above the ground level.
- Tile application = Adhesive to be external grade frost resistant and applied as per the manufacturers recommendations.
- Fixings to be of an external grade suitable for cement boards.
- For cutting and handling of Hardie® Backer please follow our standard guidance as seen in the Hardie® Backer guide.
- Hardie® Backer external to be secured to the substrate with screws.
- 12 mm Hardie® Backer can be installed either way around (rough or smooth face).
- Number of fixings required – stud centre dependent but allow for a minimum of 20 per board @ 400 mm stud.

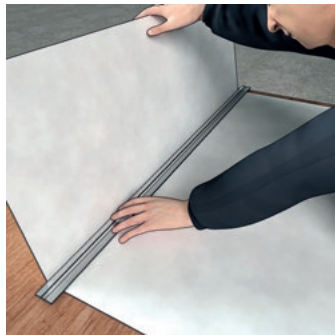
Please be aware of the below restrictions

- Vertical installation only and can't be used externally as a floor application.
- Not suitable for being submerged in water or below ground level.
- Do not leave exposed or unfinished – follow James Hardie storage guidance in the Hardie® Backer installation guide.
- 6 mm Hardie® Backer is not suitable for external use.
- Hardie® Backer is not suitable to be used as structural floor/deck board.
- The board should not be dot & dab or adhesive fixed.

Cutting Hardie® Backer boards

Hardie™ Blade for circular saw is available, please see page 9 for all Hardie™ accessories.

Regarding specific blades - jigsaw blades Bosch™ (T141) circular cuts.



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.



Health & safety

James Hardie's 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 Hardie™ Blade saw blade.
 - Better** Dust reducing circular saw with a Hardie™ Blade 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.jameshardie.co.uk 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

Products from James Hardie 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, Hardie™ Blade fitted to a circular saw connected to a dust extraction
- HEPA filter vacuum cleaner (see James Hardie's 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, Products from James Hardie 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.

FAQs



1. Do I need to prime Hardie® Backer board before tiling?

No. Hardie® Backer 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. Hardie® Backer is not suited to this type of fixing application. Please see installation instructions.

3. Can I use Hardie® Backer in conjunction with under floor heating?

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

4. What is the purpose of taping the joints?

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

5. Can I use Hardie® Backer tile backerboard outside?

Yes. Only 12mm Hardie® Backer is suitable for external use. Please refer to pages 20-21 for more information.

6. Can Hardie® Backer boards be used in a wetroom?

Yes. Hardie® Backer must be tanked with a suitable waterproofing system prior to tiling.

7. Which side of Hardie® Backer should be tiled on?

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

8. Can I finish Hardie® Backer tile backerboard with anything other than tile?

Yes. Hardie® Backer can be painted, plastered, and even wallpapered.

9. Can Hardie® Backer 6 mm be used on walls?

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

10. How many screws do I need?

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

11. Can you install direct to floor joists?

No. Hardie® Backer is not structural board. Minimum thickness of chipboard must be 18 mm.

12. What is the fire rating of Hardie® Backer?

It is non-combustible and A1 fire rated.

13. Can the boards be fixed directly over plywood?

Yes. Use grab adhesive to create a gap between boards and fix screws into stud behind.

You will find the latest version of this brochure in digital form on our website. Technical modifications subject to changes. Should you require additional information, please contact our customer service.

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