

HardieFloor®

STEP BY STEP INSTALLATION GUIDE

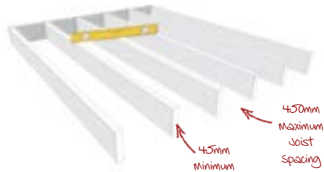
PREPARATION

HardieFloor® may be fixed to timber or steel joists installed at:

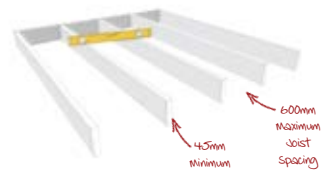
- 450mm centres max for 19mm thick
- 600mm centres max for 22mm thick

Floor joists must be 45mm wide as a minimum to enable adequate jointing of panels.

19mm



22mm



TIMBER FRAMING

- Use of timber framing must be in accordance with building regulations.
- Use only seasoned timber. Unseasoned timber must not be used because it is prone to shrinkage and can cause sheets and frames to move.
- Timber used for house construction must have the level of durability appropriate for the relevant climate and expected service life and conditions including exposure to insect attacks or to moisture, which could cause decay.

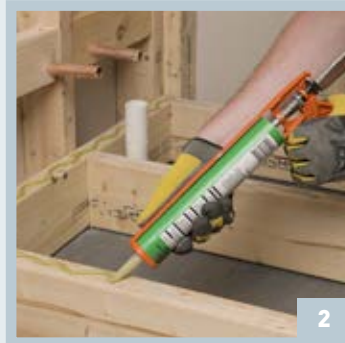
TOLERANCES

To achieve an acceptable finish, it is imperative that framing is straight and true. Framing tolerances must comply with the relevant regulations and the manufacturer's specifications.

QUICK AS TIMBER, STRONG AS CEMENT



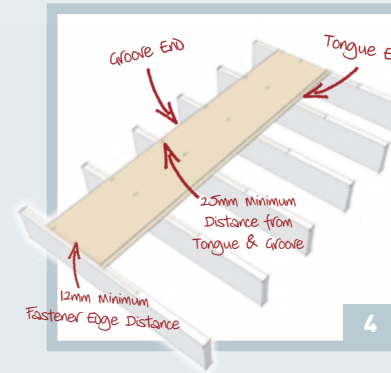
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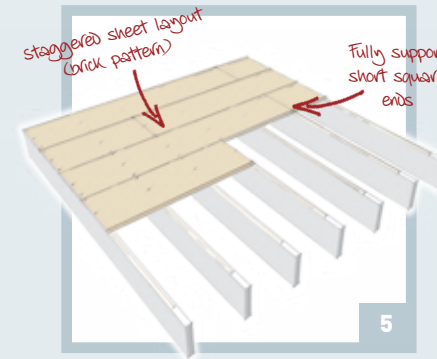
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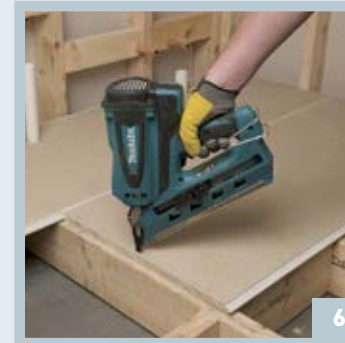
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STEP 1: FRAME PREPARATION

Floor joists must be reasonably level and must have a maximum spacing of 450mm for 19mm HardieFloor® or 600mm for 22mm HardieFloor®.

STEP 2: APPLY ADHESIVE

Apply a continuous bead of flexible construction adhesive to joists.

STEP 3: FIXING FIRST PANEL

Fixing nails or screws should be a minimum of 12mm from the square edge and a minimum of 5mm from the side of the joist.

STEP 4: FASTENER LAYOUT

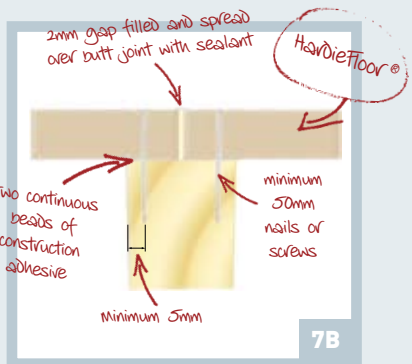
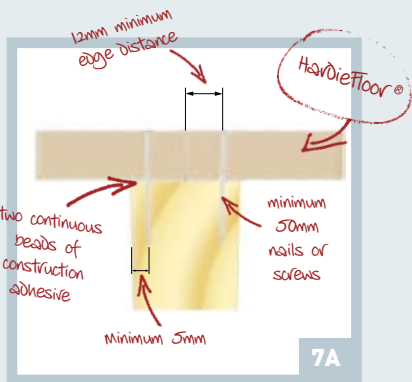
Fasteners should not be more than 200mm apart and have a minimum distance 25mm from the tongue and groove edge of the HardieFloor® panel, and 12mm from the butt edge. Corner fasteners should be a minimum distance of 50mm from the tongue and groove edge. The third row of fasteners should only be completed after the subsequent adjoining panel has been placed.

STEP 5: SHEET LAYOUT

HardieFloor® panels should be laid in a staggered pattern, like a brick wall. All short, square ends should be fully supported.

STEP 6: FIXING SUBSEQUENT PANELS

Set the next HardieFloor® panel in place. Finish fastening the previous panel by putting in the third row of fasteners then continue fastening.



STEP 7A: BUTT JOINTING - DRY AREAS

For dry areas HardieFloor® panels can be butt jointed flush together without the need for sealant. Fixing nails or screws should be a minimum of 12mm from the square edge and a minimum of 5mm from the side of the joist.

STEP 7B: BUTT JOINTING - WET AREAS

For wet areas HardieFloor® panels should be butt jointed with a 2mm gap which is then filled and spread over with sealant. Note: Ideally the edges of tiles should overlap the butt joint by a minimum of 50mm.

STEP 8: JOINT SEALING

Fill tongue and groove and butt joints with joint sealant and spread to form a seal between sheets.

STEP 9: SEALING OVER FASTENERS (WET AREAS ONLY)

Apply joint sealant to the head of fasteners.

STEP 10: CLEANING SURFACE

Clean surface with a damp cloth. Install tiles or other recommended surface finish.

*NOTE: Avoid excessive foot traffic on the floor for at least 24 hours to allow sealant to set and dry out. Adverse weather conditions may increase this period to 48-72 hours. Protect the surface of the sheets from damage until the final finish is applied.

STORAGE & HANDLING

All James Hardie® products should be stored with edges and corners of the sheets protected from damage. James Hardie® products must be stored flat on a smooth level surface, and installed in a dry state.

These installation instructions cover the use of HardieFloor® interior flooring sheets in a vinyl or tiled application in an internal residential application. The sheets in all applications are installed across the floor framing over timber or light gauge steel frames.

HEALTH & SAFETY

As for all other building materials, safety precautions must be taken into account. Cutting and drilling are subject to dust development, and proper precautions must be taken. Dust from fibre cement boards is characterized as mineral dust and EU-approved respirators should be used in conjunction with the recommended cutting practices to further reduce dust exposures.

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.

For further information, refer to our Material Safety Data Sheet available at www.jameshardie.co.uk/working-safely.



HardieFloor®

QUICK AS TIMBER, STRONG AS CEMENT

PREFERRED CUTTING METHOD

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

ACCEPTABLE CUTTING METHOD

- Dust reducing circular saw with a HardieBlade® saw blade (only use for low to moderate cutting).

MINIMUM CUTTING METHOD

- (for low to moderate cutting only)
- Hand saw with hardened teeth.

- NEVER use a circular saw indoors.
- NEVER use a circular saw blade that does not carry the HardieBlade® saw blade trademark.
- NEVER use a grinder or continuous rim diamond blade for cutting.
- ALWAYS follow tool manufacturer's safety recommendations.

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