

Tile backer board Installation Manual

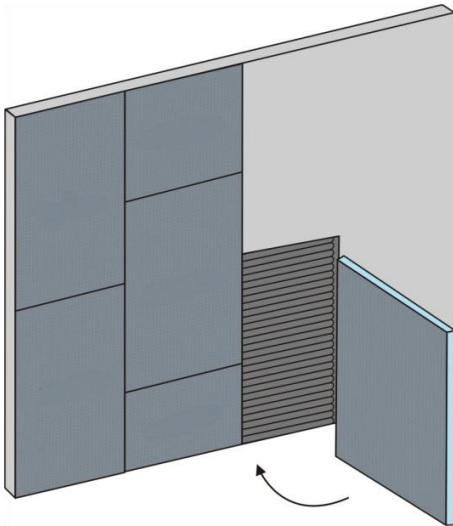
Pre-Installation Preparation

Before applying the XPS tile backer board check that all wall surfaces are load bearing, sound, clean, and free from dust and other contaminants. Following 3 ways can be chosen to apply the XPS tile backer board.

Concrete Wall.

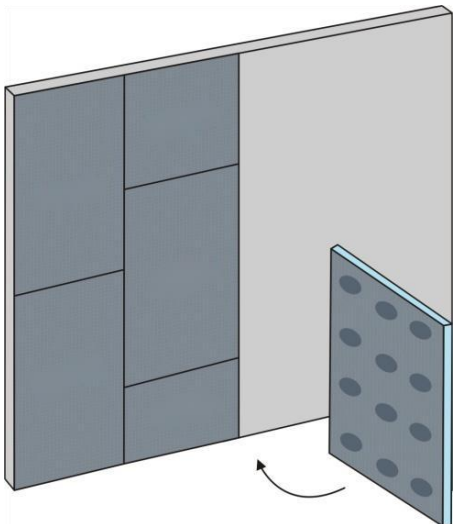
1. Fixing With A Tile Adhesive

First, spread the adhesive evenly onto the wall using a minimum of an 8mm notch tiler's trowel. Then, put the board up to the wall and press firmly into position before adjusting with a spirit level to ensure that it is both flat and level. Keep in mind that the minimum board thickness for a brick, block, or concrete wall installation when solid bed fixing is 6mm.



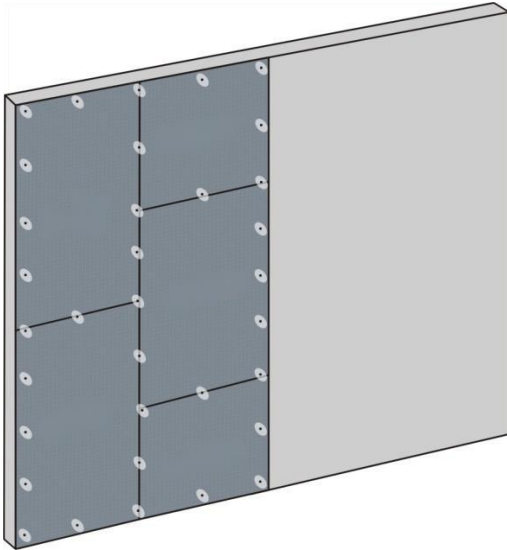
2. Dot and Dab Fixing (Brick/block/concrete):

Apply adhesive to the back of the board. The thickness of the adhesive should not exceed 30mm and the dabs should be a minimum diameter of 120mm. Then, put the board up to the wall and press firmly into position before adjusting with a level to ensure it is both flat and level. Keep in mind that the minimum board thickness for a brick, block, or concrete wall installation when dot and dab fixing, is 10mm.



3. **Mechanical Fixing (Brick/block/concrete):**

First, using a 10mm drill bit, drill through the board to a depth equal to the length of the Anchor bolt (or screw and washer) that is being used. Use fixing pins to secure the board into place and hammer in, making sure not to crush the boards

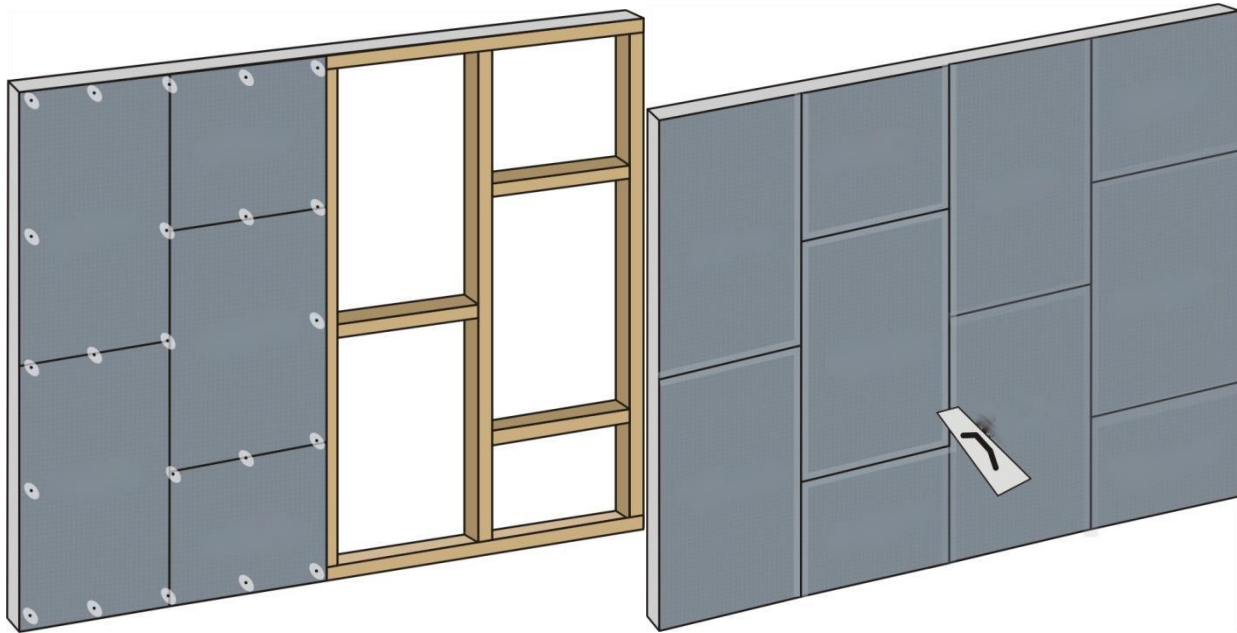


Note:

- 1. Gloves are recommend before the cutting of the XPS tile backer boards.*
- 2. The joint sealant and waterproof tape are suggested to be used in wet area instead of fiberglass mesh tape before tiling.*
- 3. If it's Mechanical fixing in wet area, the fastener area need to be sealed joint sealant or waterproof tape.*

Stub Wall.

In dry areas, the joints can be treated with alkali resistant fiberglass mesh tape



- 1/2", 5/8" or 1" XPS tile backer boards are the recommended thicknesses for stud walls.
- Minimum wood stud depth 3-1/2", 16" o.c.
- Minimum 20 gauge metal stud, 16" o.c.
- The XPS tile backer board can be used over 19.1" o.c. studs.
- 2" alkali resistant fiberglass mesh tape is recommend to seal all the joints in dry areas.
- The joint sealant and waterproof tape are suggested to be used in wet area instead of fiberglass mesh tape before tiling
- The mechanical fixing as for solid wall is also applied in stub wall.

Floor with Electric Heating

The tile backer board is also widely used in floor heating system. Due to the well insulation performance, it helps to warm floor upward and also have sound insulation ability, it is tested that 20mm thickness tile backer board helps to decrease about 20db.

With heating, the mechanical fixing is not suggested, for the installation, please see below

