

Cement Coated Insulation boards

Installation (Floors)

Concrete Floors

STEP 1 - The subfloor must be clean and dry and if necessary, smoothed with a latex/cement self-levelling compound to give an SR1 surface regularity.

STEP 2 - The insulation board should be installed using a flexible, cement-based adhesive. The adhesive should be trowelled out and combed through with a 6/8 mm notched trowel to give a ribbed bed, any slight depressions being filled by the mortar.

STEP 3 - The boards should be laid on the freshly applied ribbed bed and thoroughly bedded in to ensure that no voids are left beneath the boards and they are solidly supported. All boards should be laid with staggered joints.

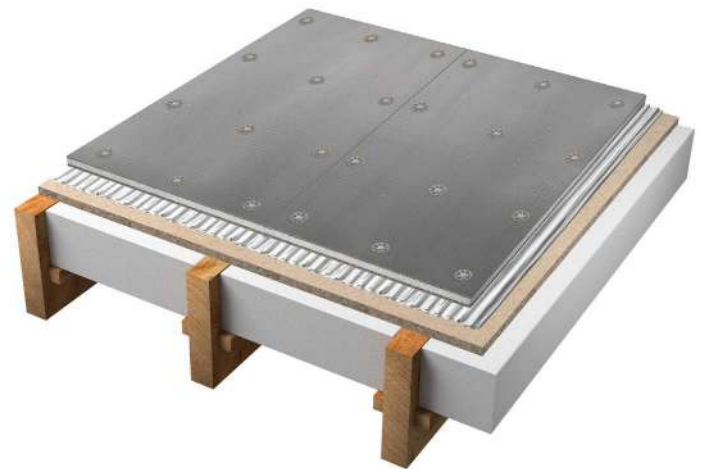


Timber Floors

STEP 1 - The subfloor must be clean and dry. Existing floorboards should be structurally sound and if necessary, smoothed with a latex/cement self-levelling compound to give an SR1 surface regularity.

STEP 2 - The insulation board should be installed using a flexible, cement-based adhesive. The adhesive should be trowelled out and combed through with a 6/8 mm notched trowel to give a ribbed bed, any slight depressions being filled by the mortar.

STEP 3 - The boards should be laid on the freshly applied ribbed bed and thoroughly bedded in to ensure that no voids are left beneath the boards and they are solidly supported. All boards should be laid with staggered joints.



STEP 4 - When the adhesive has cured, the boards should be secured using screws and washers. These are installed at the rate of 12 per board (3 rows of 4). The screws should be a minimum of 30 mm from the edge of the insulation board. Tighten the screw and washer into the board until the screw head is flush with the surface.

NOTE: Allow the adhesive attaching the boards to the subfloor to cure before laying electric underfloor heating directly onto the boards. Tile over heater using cement-based flexible adhesive and grout.

WATERPROOFING: To attain waterproof joints the boards should be sealed during installation using silicone sealant. The sealant should be applied to the edge of the fixed board immediately prior to the next board being installed and placed in position.

Installation (Walls)

Solid walls

STEP 1 - The substrate must be clean and dry. It is possible to adhere the boards to existing plaster however plastered walls must be sealed before fixing the boards.

STEP 2 - The insulation board should be installed using a flexible, cement-based adhesive. The adhesive should be trowelled out and combed through with a 6/8 mm notched trowel to give a ribbed bed, any slight depressions being filled by the mortar.

STEP 3 - The boards should be laid on the freshly applied ribbed bed and thoroughly bedded in to ensure that no voids are left beneath the boards and they are solidly supported. All boards should be laid with staggered joints.

NOTE: Allow the adhesive attaching the boards to the substrate to cure before laying electric wall heating directly onto the boards. Tile over heater using cement-based flexible adhesive and grout.



Stud walls

IMPORTANT: For stud walls at 600 mm centres you must use 20 mm insulation boards or thicker. 10 mm boards are suitable for stud walls at 300 mm centres only.

STEP 1 - All board edges must be supported by noggins. Install noggins between studwork where board edges are likely to need supporting.

STEP 2 - The insulation board should be installed using screws and washers. These should be applied every 300 mm on each stud. For studs at 600 mm, use 2 rows of 5 fixings. At 300 mm centres use 3 rows of 5 fixings. All boards should be laid with staggered joints.

STEP 3 - Tighten the screw and washer into the board until the screw head is flush with the surface.

NOTE: Electric wall heating can be applied directly onto the boards. Tile over heater using cement-based flexible adhesive and grout.

WATERPROOFING: To attain waterproof joints the boards should be sealed during installation using silicone sealant. The sealant should be applied to the edge of the fixed board immediately prior to the next board being installed and placed in position.



Electric
Heating System

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Warmup

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