



F-Board

F-Board is an under tile backing board that comprises of a high density foam core membrane that is coated on both sides with a reinforced cementitious coating. The coating provides a F-board a high compressive strength without compromising the boards insulation value. The board is light weight, has a high resistance to water and is easy to install. Available in thickness of 6mm and 10mm.

F-board enables energy savings and improved comfort when installed in conjunction with electric under tile heating systems.

| Benefits | Type | Value | Comment |
|-------------------------------|---------------------------|---------------------------------------|---------------------|
| Energy savings | Thermal conductivity | 0.029Wm ⁻¹ K ⁻¹ | |
| Faster warm up time | Vertical tensile strength | 800kPa | 90 degrees to board |
| Enhanced comfort | Compression strength | 450kPa | @ 10% deformity |
| Standards | Dimensional stability | ≤ 2.0% | |
| Fire Resistance | Long term absorptivity | ≤ 1.5% | |
| DIN EN 13501 (E) | Dimensions | 600 X 1200 | (millimetres) |
| DIN 4201 (B1) | | | |
| Strength and stability | | | |
| DIN EN 826 | | | |
| DIN EN 1604 | | | |
| DIN EN 1607 | | | |
| CSN EN 826 | | | |
| CSN EN 1607 | | | |
| Absorption | | | |
| DIN EN 12087 | | | |
| Thermal conductivity | | | |
| DIN EN 13164 | | | |
| | Type | Thermal Resistance | Thickness |
| | F-Board 6 | R 0.16 | 6 mm |
| | F-Board 10 | R 0.29 | 10 mm |
| | | | Weight |
| | | | 1.8kg |
| | | | 2.0kg |

F-Board is available in individual sheets or cartoned as packs of 6 sheets

Installation

Sheets of F-Board are to be staggered into the floor.

For concrete and timber floors, the board can be glued directly to a clean, dry dust free floor with a non-solvent based tile adhesive which is suitable for heated floors.

Plaster board jointing tape is recommended for all joints.

Where required, a water proofing membrane may be applied either below the F-board or on the top of the F-board.

Heating elements are to only be installed on the top of the F-board.

A slot may be cut into the F-board to accommodate the element cold-tail, sensor or sensor conduit to suit the installation design.