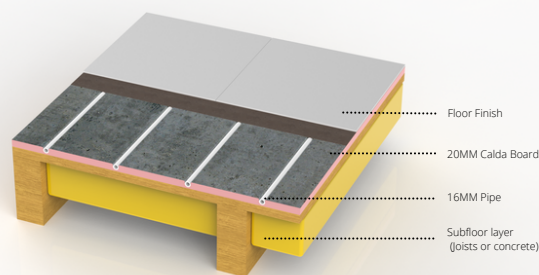


# Calda Pro

## Low Profile Underfloor Heating System

Calda Pro is our most versatile system. It consists of a 20MM high density XPS insulation board with a thin cement coating. It is an overlay system, so is applied directly on top of your current floor build up. Engineered Wooden Flooring and Tiles can be laid directly on top of this system. Carpets will require a 5MM latex application or a 6MM layer of plywood.

Due to the high quality insulation properties of the XPS panel and the heat distribution properties of the cement coating, this is an extremely effective system for many refurbishment and new build projects. As this system requires only a 20MM build-up, it limits the loss of ceiling height.



This system consists of a high density pre-grooved, 20MM XPS insulation panel, housing 16MM underfloor heating pipe work.

- Tiles can be applied directly on top using a tile adhesive.
- Engineered Wooden Flooring can be applied directly on top.
- Carpet can be applied on top with either 6MM layer of plywood, or a 5MM layer of self-levelling compound

### Technical data

- 1200 x 600 x 20mm
- Routed at 150mm centres for 16mm pipe
- Compressive strength 0.25 N/mm<sup>2</sup>
- Thermal conductivity 0.035 W/mK
- Thermal expansion coefficient 0.07 mm/(mK)
- Water absorption less than 1.5 % vol.
- Tested in accordance with (standard, classification etc)
- Contains no chlorofluorocarbons (CFCs), HCFCs, HFCs or HBCDs.
- Fire behaviour: Class E EN 13164

Typical Heat Outputs \*

Pipe Spacing	Mean Flow Temperature	Output - Tiles/Stone (w/m2)	Output - 1 tog floor covering resistance (w/m2)
150	40	77	52
150	45	97	65
150	50	116	78
150	55	135	91

\*Typical Heat output of Calda Pro - To be used as a guide only, detailed heat output provided at design stage