

Separating floor - Steel-concrete composite

PCT Solution

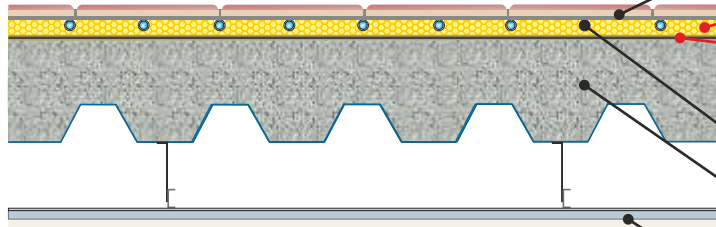
Underfloor heating pipe inserted into **CELLECTA XFLO Ultraboard** underfloor heating insulation board

CELLECTA RUBBERfon Impact 3 resilient layer bonded to levelled structural floor

Floor finishes directly applied to micro thin UFH board

WU9.sgt6

DRY
System



Floor finish
(Ceramic / stone floor tiles or engineered timber flooring)

CELLECTA XFLO ULTRAbord
Routed UFH board manufactured to suit pipe diameter and centres

CELLECTA UL80 adhesive
(Used to bond insulation board and resilient layer)

CELLECTA RUBBERfon Impact 3
High compressive strength recycled rubber resilient layer

UFH plastic pipe supplied by others

In-situ concrete slab supported by profiled steel decking, laid to SR2 (min) standard
(To structural engineers' specification)

Ceiling treatment

Typical Acoustic Performance

Airborne:	53dB $D_{nT,w} + C_{tr}$	Building Regulations
Impact:	51dB $L_{nT,w}$	≥5dB

Compressive strength



Micro UFH Insulation Board

XFLO® ULTRAbord

XFLO Ultraboard routed under floor heating insulation boards have a unique reinforcement facing that enables floor tiles to be directly adhered. The board's long term ultra high compressive strength enables it to withstand the rigours of both domestic and commercial flooring applications. Two thickness' are available to suit 10mm and 12mm diameter pipes.

Key Benefits

- Ultra high compressive strength - 500kPa
- Manufactured to suit pipe and centres required
- Glass reinforcement facing accepts tiles

Physical Properties

XFLO ULTRAbord		
Ultra high compressive strength, glass reinforcement mesh faced UFH board		
Strength at 10% compression EN 826	kPa	500
Thermal conductivity	W/mK	0.035
Temperature range	°C	-50/+75
Route sizes available (to suit pipe diameter)	mm	10, 12
Pipe centres	mm	100, 150
Board size	mm	600 x 1200
Thickness'	mm	15, 18

Resilient Layer

RUBBERfon® Impact 3

High density recycled rubber resilient layer

Roll dimensions: 3mm x 1m x 15m

Weight: 2.25m² (33.75kg/roll)

Accreditation & Approvals



Environmental Credentials



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