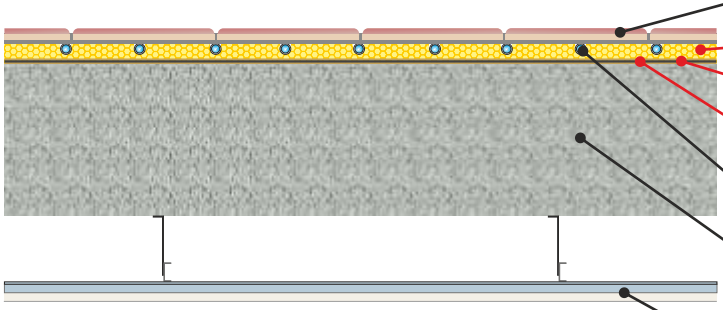
Separating floor - In-situ concrete slab

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.sc6

DRY System



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

CELLECTA XFLO ULTRAboard
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, laid to SR2 (min) standard (To structural engineers' specification)

Ceiling treatment

Typical Acoustic Performance

		Building Regulations
Airborne:	53dB $D_{nT,w} + C_{tr}$	
Impact:	52dB $L_{nT,w}$	≥+8dB

Compressive strength

500kPa

Micro UFH Insulation Board

XFLO® ULTRAboard

XFLO Ultraboard is a routed under floor heating insulation board with 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 ULTRAboard
		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

ISO 9001 N° 10224

ISO 14001: 2004
BUREAU VERITAS Certification
BE 009119-1

Environmental Credentials

GWP <5

100% Recycled Rubber

zero ODP