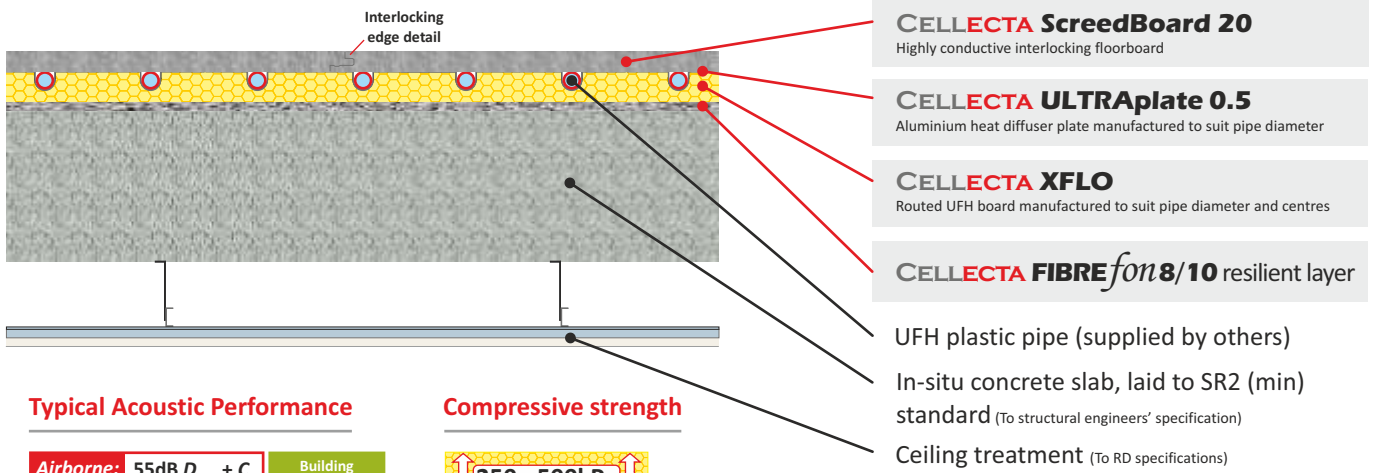


Underfloor heating pipe inserted into **CELLECTA XFLO** underfloor heating insulation boards
CELLECTA ScreedBoard 20 laid over UFH boards
CELLECTA FIBREfon 8 resilient layer laid on levelled structural floor

WU9.sc5



Typical Acoustic Performance

Airborne:	55dB $D_{nT,w} + C_{tr}$	Building Regulations ≥+8dB
Impact:	42dB $L_{nT,w}$ rd $DL_w = 28dB$	

Compressive strength



- CELLECTA ScreedBoard 20**
Highly conductive interlocking floorboard
- CELLECTA ULTRAplate 0.5**
Aluminium heat diffuser plate manufactured to suit pipe diameter
- CELLECTA XFLO**
Routed UFH board manufactured to suit pipe diameter and centres
- CELLECTA FIBREfon 8/10** resilient layer
- UFH plastic pipe (supplied by others)
- In-situ concrete slab, laid to SR2 (min) standard (To structural engineers' specification)
- Ceiling treatment (To RD specifications)



CELLECTA's **XFLO** boards are manufactured to suit the pipe diameter and spacing required to achieve the desired thermal output. The board's high compressive strength enables it to withstand the rigours of the installation process as well as the long term loads imposed in residential and commercial applications.

Key Benefits

- High resistance to compression - 250, 300 & 500kPa
- Manufactured to suit pipe and spacing required
- Works in conjunction with acoustic treatments
- Outstanding thermal output

Physical Properties

		XFLO		
		250	300	500
		High strength UFH board	High strength UFH board	Ultra strength UFH board
Strength at 10% compression	kPa	250	300	500
Thermal conductivity	W/mk	0.033	0.033 ≤80mm 0.034 >81mm	0.035
Temperature range	°C	-50/+75	-50/+75	-50/+75
Route sizes available (to suit pipe diameter)	mm	10, 12, 14, 15, 16, 18, 20	10, 12, 14, 15, 16, 18, 20	10, 12, 14, 15, 16, 18, 20
Pipe centres	mm	150, 200, 300	150, 200, 300	150, 200, 300
Board size	mm	600 x 2500	600 x 2500	600 x 1200* 600 x 1250
Thickness* (other sizes manufactured to order)	mm	20, 25, 30, 35	40, 50, 60, 75	15*, 18*, 50, 60, 75

Overlay Board

FFT4

ScreedBoard® 20

Interlocking high conductivity overlay board
Thickness: 20mm
Board size: 600 x 1200mm
Weight: 25kg/m² / 18kg per sheet
Thermal resistance: 0.05m²k/W

Heat Diffuser

ULTRAplate 0.5

High performance pressed aluminium diffuser plate
Plate thickness: 0.5mm
Plate length: 1000mm
To suite pipe sizes: 10, 12, 14, 15, 16, 20mm

Resilient Layer Options

FIBREfon® 8/10

High performance acoustic fleece / fibreboard
Dimensions: 8mm/10mm x 600mm x 1200mm
Weight: 8mm - 1kg/m² / 10mm - 2.36kg/m²

Perimeter Edge Strip

YELOfon® ES5/120

Closed-cell extruded polyethylene edge strip
Thickness: 5mm x 120mm x 50m

Accreditation & Approvals

Environmental Credentials