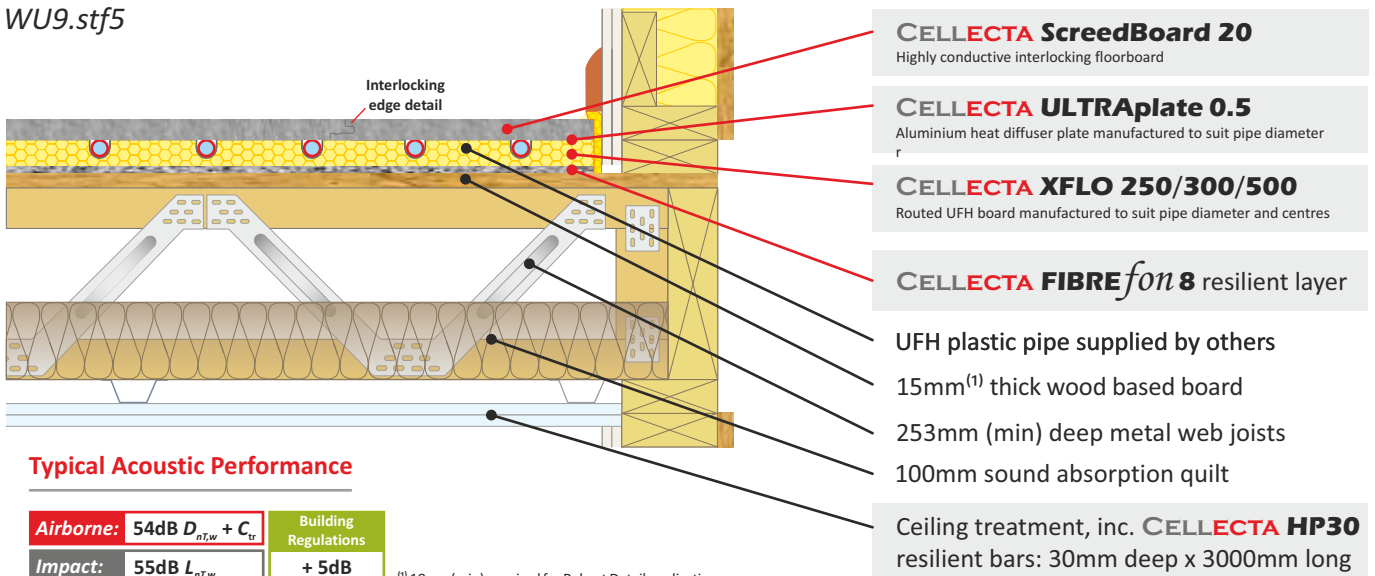


Underfloor heating pipe inserted into **CELLECTA XFLO** underfloor heating insulation boards
CELLECTA ScreedBoard 20 laid over UFH boards
CELLECTA FIBREfon 8 resilient layer laid on timber sub-deck s

WU9.stf5



Typical Acoustic Performance

Airborne:	54dB $D_{nT,w} + C_{tr}$	Building Regulations
Impact:	55dB $L_{nT,w}$	+ 5dB

(1) 18mm(min) required for Robust Detail applications

UFH Insulation Board



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

- Manufactured to suit pipe and centres required
- Works in conjunction with heat diffusion plates
- Outstanding thermal output
- Supplied to suit batten spacing

Physical Properties

		XFLO JB		
		250	300	ULTRAplate
		Between joist UFH board	Between joist UFH board	Aluminium heat diffuser plate
Strength at 10% compression	kPa	250	300	-
Thermal conductivity	W/mk	0.033	0.033	-
Temperature range	°C	-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	150, 200	150, 200
Board / plate size	mm	300 x 1250/2500 350 x 1200		340/390 x 1000
Thickness* (other sizes manufactured to order)	mm	20, 25, 30, 35	40, 50	0.5

Overlay Board

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

Perimeter Edge Strip

YELOfon® ES5/120

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

Heat Diffuser

ULTRAplate 0.5

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

Resilient Layer

FIBREfon® 8

High performance acoustic fleece
Dimensions: 8mm x 600mm x 1200mm
Weight: 1kg/m² / 0.72kg per sheet

Accreditation & Approvals



Environmental Credentials