Separating floor - Solid timber joist
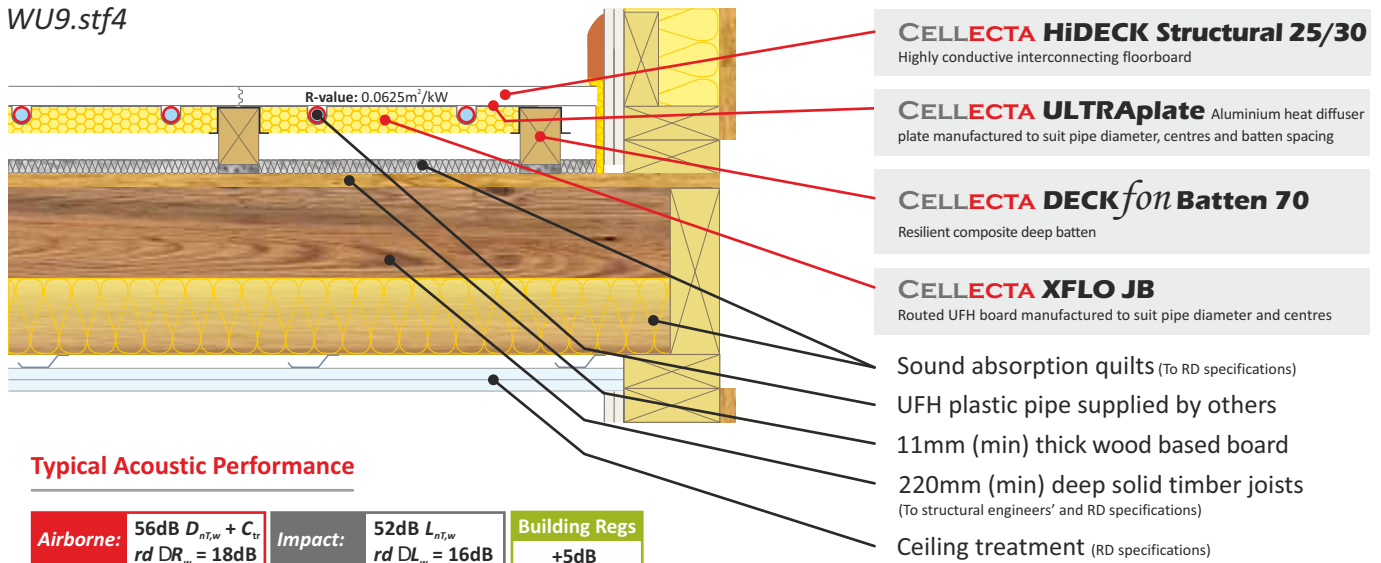
CELLECTA XFLO JB underfloor heating insulation boards installed between battens
CELLECTA HiDECK Structural 25/30 board laid on **CELLECTA DECK*fon* Batten 70**

Use with timber frame walls only

WU9.stf4

R-value: 0.0625m²/kW

CELLECTA HiDECK Structural 25/30
Highly conductive interconnecting floorboard

CELLECTA ULTRAplate Aluminium heat diffuser plate manufactured to suit pipe diameter, centres and batten spacing

CELLECTA DECK*fon* Batten 70
Resilient composite deep batten

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

Sound absorption quilts (To RD specifications)

UFH plastic pipe supplied by others

11mm (min) thick wood based board

220mm (min) deep solid timber joists
(To structural engineers' and RD specifications)

Ceiling treatment (RD specifications)

Typical Acoustic Performance

Airborne:	56dB $D_{nT,w} + C_{tr}$ rd DR_w = 18dB	Impact:	52dB $L_{nT,w}$ rd DL_w = 16dB	Building Regs +5dB

UFH Insulation Board

XFLO® JB

CELLECTA's **XFLO JB** boards are manufactured from 100% recyclable HEXATHERM, using a CNC to route out the pipe diameter and centres required. The board's are made to suit the specific batten spacing. When used in conjunction with **CELLECTA**'s **ULTRAplates** (heat diffuser plates) will provide outstanding heat output.

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 Between joist UFH board	XFLO JB 300 Between joist UFH board	ULTRAplate Aluminium heat diffuser plate
Strength at 10% compression	kPa	250	300	-
Thermal conductivity	W/mk	0.033	0.033	-
Temperature range	℃	-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**

FFT1

HiDECK® Structural 25/30

High conductivity structural floorboard
Thickness': 25, 30mm
Board size: 600 x 1200mm
Weight: 25 - 31.25kg/m², 30 - 37.50kg/m²
Thermal resistance (m²k/W): 25 - 0.0625, 30 - 0.075

Heat Diffuser

ULTRAplate 2C/0.5

High performance pressed aluminium diffuser plate
Number of channels: 2 **Plate thickness:** 0.5mm
Plate width: 340m **Plate length:** 1000m
To suite pipe sizes: 10, 12, 14, 15, 16, 20mm

Acoustic Batten

DECK*fon*® Batten 70

Composite deep batten system

Dimensions: 75mm x 45mm x 2400mm
Design height: 70mm (when floor loaded to 25kg/m²)

Sound Absorption Quilt (Non-itch Option)

FIBRE*fon*® Micro 15 / 50

Polyester quilt
Dimensions:
15mm x 600mm x 1200mm, 50mm x 3/400mm x 7.2m

Accreditation & Approvals

RD Compliant Treatment
BBA VERIFIED RD DATA

NHBC
LABC warranty
Premier Guarantee
Accepted

BMTRADA ISO 9001: 2015

Environmental Credentials

GWP <5
zero ODP
100% Recyclable Foam