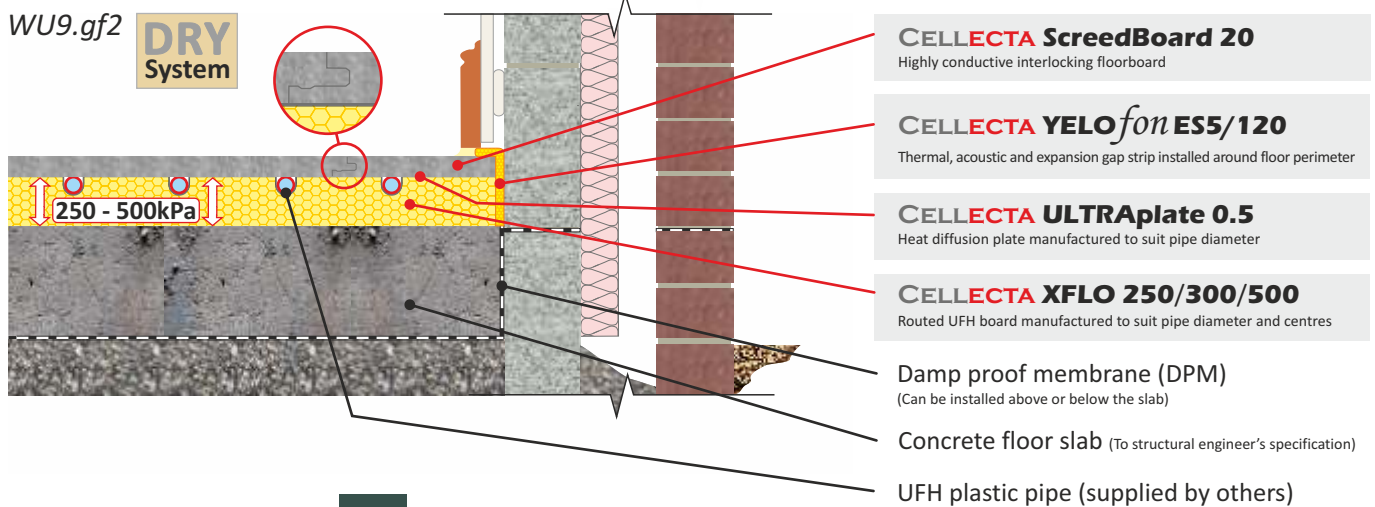


Ground bearing floor slab

Underfloor heating pipe inserted into **CELLECTA XFLO** underfloor heating insulation boards
CELLECTA ScreedBoard 20 laid over UHF boards
 Dry system



FASTRACK CAD
ARCHITECTURAL CAD DATABASES

nsPlus

FASTRACK BIM
ARCHITECTURAL BIM DATABASES

UHF 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

- 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 UHF board	High strength UHF board	Ultra strength UHF board
Strength at 10% compression	kPa	250	300	500
Thermal conductivity	-	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

Typical Thickness of UHF Insulation Required

P/A ratio	XFLO 300 (mm)							
0.7	75	100	120	130	150	180	220	270
0.6	70	90	100	130	150	175	210	270
0.5	70	90	100	120	140	170	210	260
0.4	60	80	100	110	130	160	200	250
0.3	50	70	80	100	120	160	190	240
	0.25	0.22	0.20	0.18	0.16	0.14	0.12	0.10

U-value (W/m²K)
 Calculated in accordance with ISO 13370

Accreditation & Approvals



Environmental Credentials



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



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



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