

Floor insulation: Suspended floor (other than ground floor)

Suspended In-Situ Concrete Floor (Other Than Ground Floor)

Insulation installed below floating screed

IF1

Screed (minimum 65mm sand:cement or 40mm proprietary free flowing screed)

YELOFOAM XES / XES^e (perimeter edge strip to eliminate cold bridging)

YELOFOAM X2i / X2i^e (domestic/commercial applications)

YELOFOAM X3i / X3i^e (commercial applications)

YELOFOAM X4L / X5L^e (commercial / industrial applications)

In-situ concrete slab

Thickness of concrete slab (mm)	Typical thickness of X3i req'd (mm)				
	90	120	120	160	100 +60
300	90	120	120	160	100 +60
200	100	120	120	160	100 +60
150	100	120	140	160	100 +60
	0.25	0.22	0.20	0.18	0.16

U-value (W/m²K)
Calculated in accordance with ISO 15370

GWP value	Pol 1	
	eco XPS boards	YELOFOAM XPS boards
	<5	≥5
Code credits	1	0

Note. Pol.1 Code credits have an approximate weighted value of 0.7

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Suspended Pre-cast Concrete Floor (Other Than Ground Floor)

Insulation installed below floating screed

IF2

Screed (minimum 65mm sand:cement or 40mm proprietary free flowing screed)

YELOFOAM XES / XES^e (perimeter edge strip to eliminate cold bridging)

YELOFOAM X2i / X2i^e (domestic/commercial applications)

YELOFOAM X3i / X3i^e (commercial applications)

YELOFOAM X4L / X5L^e (commercial / industrial applications)

Pre-cast concrete slab

Thickness of concrete slab (mm)	Typical thickness of X2i req'd (mm)				
	90	120	120	160	100 +60
300	90	120	120	160	100 +60
200	100	120	120	160	100 +60
150	100	120	140	160	100 +60
	0.25	0.22	0.20	0.18	0.16

U-value (W/m²K)
Calculated in accordance with ISO 15370

GWP value	Pol 1	
	eco XPS boards	YELOFOAM XPS boards
	<5	≥5
Code credits	1	0

Note. Pol.1 Code credits have an approximate weighted value of 0.7

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Ground Bearing Concrete Floor Slab

Insulation installed below ScreedBoard 20

IF3

ScreedBoard 20* (dry screed board with interlocking edges)

YELOFOAM ES5/120 (perimeter edge strip to eliminate cold bridging)

Routed or moulded insulation panel

Optional water based underfloor heating system

Levelling screed

Pre-cast concrete slab

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