

# Thin-R

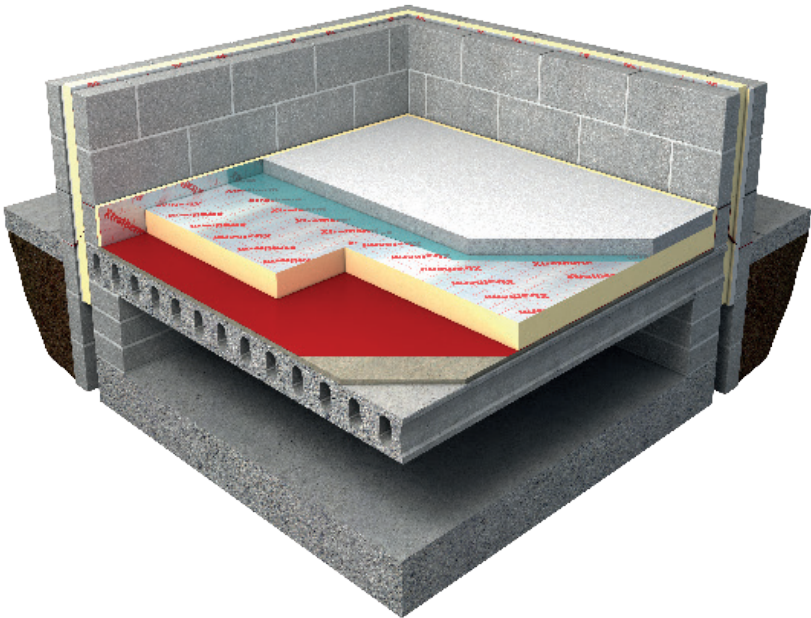
PIR Insulation

# XT/UF

Insulation for  
Ground Supported and Suspended Floors

The floor in any building is an area of considerable downward heat loss when not properly insulated. XT/UF will significantly improve the U-Value of new and existing floors.

Thin-R Underfloor XT/UF is lightweight, easy to install and combines high compressive strength with low thermal conductivity, providing a high performance solution for floor insulation.



### Specification Clause

The floor insulation shall be Xtratherm Thin-R XT/UF manufactured to EN 13165 by Xtratherm, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings. The XT/UF\_ \_ \_mm with Agrément certified Lambda value of 0.022 W/mK to achieve a U-Value of \_ \_ \_W/m²K for the floor element. To be installed in accordance with instructions issued by Xtratherm.

Xtratherm PIR achieves an A+ rating under the BRE Green Guide.



Refer to NBS clause M10 290, M10 40, M13 260, M13 40, P10 250, P10 45



### Thermal Resistances

Thickness (mm)	R-Value (m²K/W)
25	1.10
30	1.35
40	1.80
50	2.25
60	2.70
70	3.15
90	4.05
100	4.50
110	5.00
125	5.65
150	6.80

### Resistance 'R' Values

The resistance value of any thickness of Xtratherm insulation can be ascertained by simply dividing the thickness of the material (in metres) by its agrément declared lambda value, for example: Lambda 0.022 W/mk and thickness 50mm -> 0.050/ 0.022 -> R-Value = 2.25. In accordance with EN 13165, R-values should be rounded down to the nearest 0.05 (m² K/W).