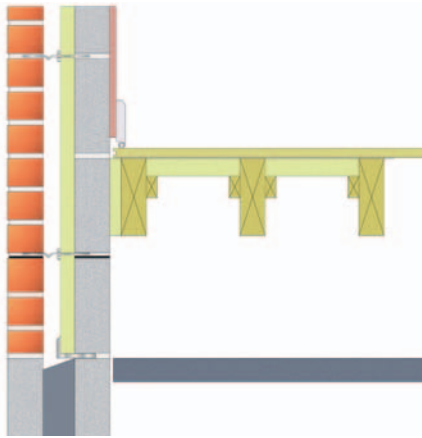


Xtratherm Thin-R®



Xtratherm underfloor Insulation XT/UF Suspended Timber

Xtratherm Polyisocyanurate (Polyiso) is a thermoset closed cell rigid foam insulation. During a continuous manufacturing process, liquid raw materials expanded by blowing agents are applied between a variety of engineered facings. The facings provide strength, rigidity and enhanced thermal performance.

Xtratherm Thin-R is CFC/HCFC free
(Zero Ozone Depletion Potential)

The floor in any building is an area of considerable heat loss if it is not properly insulated. Xtratherm Thin-R when installed within a floor structure, will significantly improve the U-value (Thermal Transmittance) of new or existing floors.

Physical Properties

Property	Unit
Typical Density	30
Compressive strength	>140
Water Vapour Resistivity	>100
Thermal Conductivity	0.022 - 0.023
Service Temperature	-20 to +100
Surface Spread of flame	Class 1

Installation Procedure - Below floor slab.

- Xtratherm Thin-R insulation boards should be cut to fit between the timber joists.
- Support the insulation at correct depth on carriers.
- Carriers may be nails part driven into the side of the joists at selected level, timber battens or proprietary saddle clips.
- Where services need to be accommodated below the floor, Xtratherm Thin-R boards can be lowered to provide an insulated duct.
- Install flooring grade chipboard, ply or softwood timber flooring directly onto the joists fixing in the normal manner.
- Ensure that the void below the insulated suspended floor is well ventilated and that the airflow is not restricted by sleeper walls.

UK Suspended Timber Floor (Default ground value 1.5 W/m²K)

P/A	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Thin-R XT/UF (mm)	19	38	47	52	57	60	62	64	66
Available Thickness (mm)	25	40	50	55	60	60	65	65	70



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