



## DATA SHEET no 032/08

01-03-2008

### Brand name

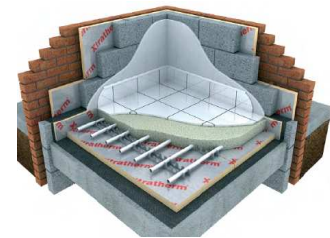
**Xtratherm® Thin-R/UF (XT/UF)**

### Description

Under floor insulation board of **Polyiso** rigid polyisocyanurate foam (PIR), faced on both sides with gastight, reflective, low emissivity tri-laminate aluminium foil.

**Xtratherm® XT/UF** boards are (H)CFC/HFC free with ODP = 0. (Zero Ozone Depletion Potential)

The CE product delivery data are shown in the table below.



### CE-Designation Code:

**PIR-EN 13165-T2-DS(TH)8-DLT(2)5-CS(10Y)120-C(3/2/10)40-FW2-WL(T)2**

Table 1: Product delivery data **Xtratherm® XT/UF** Under Floor Board

Property	Method of determination	Value
Thickness and thermal resistance	EN 13165	See table 2
Thermal conductivity coefficient	EN 13165	$d_N$ 30 – 165 mm $\lambda_D$ <b>0.023 W/(m.K)</b>
Length x width <sup>1)</sup>	EN 13165	2400 mm x 1200 mm
Fire class "reaction to fire"	EN 13501-1	Euroclass F

1) other sizes available on request, for availability and lead times contact Xtratherm B.V.

### Thermal resistance and the Building Regulations: values for EPDB related calculations

Table 2 shows the thermal resistance of **Xtratherm® XT/UF** Under Floor Board. Other thicknesses can be supplied upon request.

The boards are standard supplied with straight edge finish, Tongue & Groove (T&G) edge finish is optional, see the principle given here;

Thin-R T&G



Table 2: Thickness and thermal resistance **Xtratherm® XT/UF** Under Floor Board

Product Code	Thickness $d_n$ in mm	Thermal Resistance $R_D$ (m <sup>2</sup> .K/W)	Product Code	Thickness $d_n$ in mm	Thermal Resistance $R_D$ (m <sup>2</sup> .K/W)
XTUF	30	1,30	XTUF	100	4,30
XTUF	40	1,70	XTUF	110	4,75
XTUF	50	2,15	XTUF	120	5,20
XTUF	60	2,60	XTUF	125	5,45
XTUF	70	3,00	XTUF	140	6,05
XTUF	80	3,45	XTUF	150	6,50
XTUF	90	3,90	XTUF	165	7,15

Examples of construction U-value calculation for the **complete** floor are specified in the BBA 4406 and IAB 0185 Agrément Certificate.

For calculations contact Xtratherm Technical Support at the number **M: +31 (0)6 46196993**.



### Packaging

**Xtratherm® XT/UF** under floor insulation boards are supplied in polythene film-wrapped packs. The packs of insulation material should be stored with care and from the floor. If stored outside, the packs and/or boards need to be protected from the weather by means of, for example, a tarpaulin. The individual panels are not further marked for top or bottom side and can be installed with both sides up or down. Large size boards to be carried by 2 persons.

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