



## DATA SHEET no 012/08

01-03-2008

### Brand name

**Xtratherm® Thin-R/PR (XT/PR)**

### Description

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

**Xtratherm® XT/PR** 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(10\Y)150-FW2-WL(T)2**

Table 1: Product delivery data **Xtratherm® XT/PR** Pitched Roof 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 E	

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/PR** Pitched Roof 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;



Table 2: Thickness and thermal resistance **Xtratherm® XT/PR** Pitched Roof 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)
XTCW	30	1,30	XTCW	100	4,30
XTCW	40	1,70	XTCW	110	4,75
XTCW	50	2,15	XTCW	120	5,20
XTCW	60	2,60	XTCW	125	5,45
XTCW	70	3,00	XTCW	140	6,05
XTCW	80	3,45	XTCW	150	6,50
XTCW	90	3,90	XTCW	165	7,15

**Examples** of construction U-value calculation for the **complete** Pitched Roof are specified in the BBA 07/4402 and IAB 03/0184 Agrément Certificate. For calculations contact Xtratherm Technical Support at the number **M: +31 (0) 646196993**.



### Packaging

**Xtratherm® XT/PR** pitched roof 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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