



DATA SHEET no 002/08

01-03-2008

Brand name

Xtratherm® Thin-R/CW (XT/CW)

Description

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

Xtratherm® XT/CW 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-CS(10Y)120-FW2-WL(T)2

Table 1: Product delivery data Xtratherm® XT/CW (Partial Fill) Cavity Board

Property	Method of determination	Value	
Thickness and thermal resistance	NEN-EN 13165	See table 2	
Thermal conductivity coefficient	NEN-EN 13165	d_N 30 – 165 mm	λ_D 0.023 W/(m.K)
Length x width ¹⁾	NEN-EN 13165	1200 mm x 450 mm or 1200 mm x 600 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/CW** Partial Fill Cavity 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/CW Partial Fill Cavity Board

Product Code	Thickness d_n in mm	Thermal Resistance R_D (m ² .K/W)	Product Code	Thickness d_n in mm	Thermal Resistance R_D (m ² .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 and **R_s**-value calculation for the **complete** Cavity Wall are specified in the the BBA 4407, IAB 0183 and the KOMO CTG-578 Agrément Certificates. For calculations contact Xtratherm Technical Support at the number **M: +31 (0)6 46196993**.



Packaging

Xtratherm® XT/CW cavity wall 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.

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Xtratherm® Thin-R® and Polyiso are registered tradenames of Xtratherm Ltd.

