



DATA SHEET no 064/08

01-03-2008

Brand name

Xtratherm® Thin-R/FR MG (XT/FR MG)

Description

Flat roof insulation board of **Polyiso** rigid polyisocyanurate foam (PIR), faced on both sides with gasopen, mineralised glassfleece.

Xtratherm® XT/FR MG 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-TR80-FW2-WL(T)2

Table 1: Product delivery data **Xtratherm® XT/FR MG** Flat Roof Board

Property	Method of determination	Value	
Thickness and thermal resistance	EN 13165	See table 2	
Thermal conductivity coefficient	EN 13165	d_N	λ_D
		< 80 mm	0.027 W/(m.K)
		80 – 120 mm	0.026 W/(m.K)
Length x width ¹⁾	EN 13165	2400 mm x 1200 mm or 1200 mm x 1000 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/FR MG** Flat 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;



Thin-R T&G

Table 2: Thickness and thermal resistance **Xtratherm® XT/FR MG** Flat Roof 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)
XTFRM	50	1,85	XTFRM	100	3,85
XTFRM	60	2,20	XTFRM	120	4,80
XTFRM	70	2,60	XTFRM	140	5,60
XTFRM	80	3,05			
XTFRM	90	3,45			

Examples of construction U-value calculation for the complete Flat Roof are specified in the KOMO CTG 595 Agrément Certificate.

For calculations contact Xtratherm Technical Support at the number **M: +31 (0) 646196995**.



Packaging

Xtratherm® XT/FR MG flat 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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Thin-R®

Polyiso

