

# UTHERM Roof BM

Insulation board  
for roofs

Roof BM is a PIR insulation board finished on one side with a gas open bituminized glassfleece and on the other side with a gas open mineralized glassfleece.

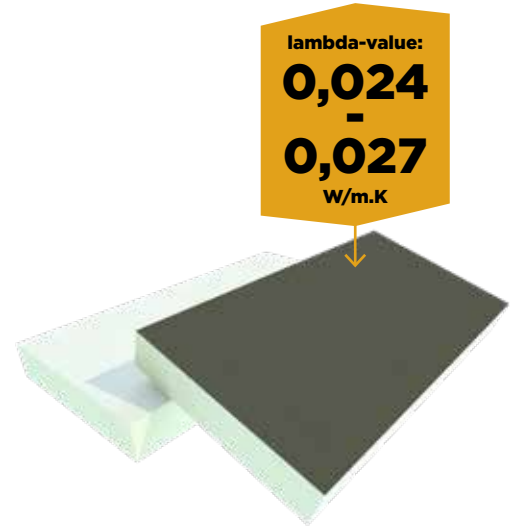
**Application** Insulation boards for flat roofs

**Insulation** Polyisocyanurate (PIR)  
**Declared lambda-value ( $\lambda_D$ ):**  
**0,027 W/m.K (d < 80 mm)**  
**0,026 W/m.K (80 mm ≤ d < 120 mm)**  
**0,024 W/m.K (d ≥ 120 mm)**

**Facing** B : bituminized glassfleece  
 M : mineralised glassfleece

**Dimensions** Standard: 1200 x 600 mm

**Edge finish** Straight on the 4 sides

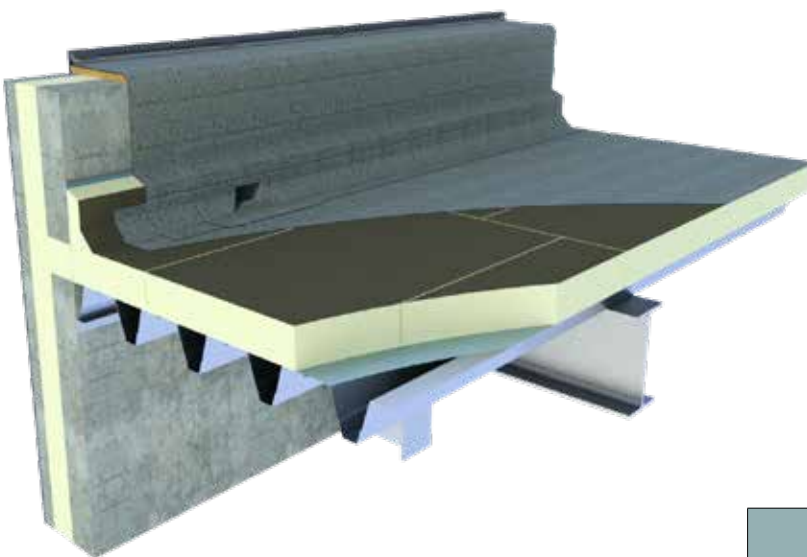


Insulation-thickness [mm]	R <sub>D INSUL</sub> value [m <sup>2</sup> K/W] CE	Boards per pack	m <sup>2</sup> per pack	Boards per pallet	m <sup>2</sup> per pallet	m <sup>2</sup> full load [= 22 pal.]	In stock	On demand*
<b>Roof BM: 1.200 x 600 mm</b>								
30	1,10	16	11,52	160	115,20	2.534,40		✓
40	1,45	12	8,64	120	86,40	1.900,80		✓
50	1,85	10	7,20	100	72,00	1.584,00		✓
60	2,20	8	5,76	80	57,60	1.267,20	✓	
70	2,55	7	5,04	70	50,40	1.108,80		✓
80	3,05	6	4,32	60	43,20	950,40	✓	
100	3,80	5	3,60	50	36,00	792,00	✓	
120	5,00	4	2,88	40	28,80	633,60	✓	
140	5,80	3	2,16	36	25,92	570,24		✓
160	6,65	3	2,16	30	21,60	475,20		✓
200	8,30	2	1,44	24	17,28	380,16		✓

\* Minimum order quantities and special conditions upon consultation

## TECHNICAL PROPERTIES

<b>Declared thermal conductivity :</b> $\lambda_D$ according to EN 13165:2012+A2:2016	0,027 W/m.K (d < 80 mm) 0,026 W/m.K (80 mm ≤ d < 120 mm) 0,024 W/m.K (d ≥ 120 mm)
<b>Compressive strength at 10% deformation :</b> CS(10/Y)150 according to EN 826	≥ 150 kPa (1,5 kg/cm <sup>2</sup> )
<b>Tensile strength perpendicular to the faces</b>	TR80 ≥ 80 kPa
<b>Dimensional stability</b> 48h, 70°C, 90%RH 48h, -20°C	DS(70,90)3: $\Delta\epsilon_{l,b} \leq 2$ / $\Delta\epsilon_d \leq 6$ DS(-20,-)1: $\Delta\epsilon_{l,b} \leq 1$ / $\Delta\epsilon_d \leq 2$
<b>Deformation under compressive load and temperature conditions</b>	DLT(2) ≤ 5%
<b>Density of the PIR foam</b>	32 kg/m <sup>3</sup> ± 3 kg/m <sup>3</sup>
<b>Water vapour transmission resistance of the PIR foam : <math>\mu</math></b>	50-100
<b>Reaction to fire class</b>	F according to EN 13501-1
<b>Long term water absorption</b>	WL(T)2 according to EN 13165 < 2%



Certificates	
CE	$\lambda$ 0,024 - 0,027 W/m.K
DOP	Utherm Roof BM v1