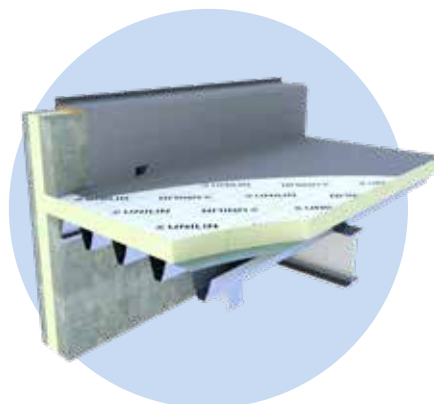
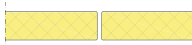


Insulation board for roofs



ROOF LE is a PIR insulation board Euroclass E finished on both sides with a multilayer gastight laminate facer.

Application	Insulation boards for flat and low sloped roofs
Insulation	Polyisocyanurate (PIR) Declared lambda-value (λ_p): 0,022 W/m.K
Facing	LE: multilayer gastight laminate
Dimensions	Standard: 1200 x 600 mm or 2400 x 1200 mm
Edge finish	Straight on the 4 sides 

Insulation-thickness [mm]	R _D INSUL value [m ² K/W] CE	Boards per pack	m ² per pack	Boards per pallet	m ² per pallet	m ² full load [= 22 pal.]	In stock	On demand*
ROOF LE: 1200 x 600 MM								
20	0,90	24	17,28	240	172,80	3.801,60		from 1000 m ²
30	1,35	16	11,52	160	115,20	2.534,40		from 1000 m ²
40	1,80	12	8,64	120	86,40	1.900,80		from 1000 m ²
50	2,25	10	7,20	100	72,00	1.584,00		from 1000 m ²
60	2,70	8	5,76	80	57,60	1.267,20		from 1000 m ²
70	3,15	7	5,04	70	50,40	1.108,80		from 1000 m ²
80	3,60	6	4,32	60	43,20	950,40		from 1000 m ²
90	4,05	5	3,60	50	36,00	792,00		from 1000 m ²
100	4,50	5	3,60	50	36,00	792,00		from 1000 m ²
110	5,00	4	2,88	40	28,80	633,60		from 1000 m ²
120	5,45	4	2,88	40	28,80	633,60		from 1000 m ²
140	6,35	3	2,16	36	25,92	570,24		from 1000 m ²
142	6,45	3	2,16	30	21,60	475,20		from 1000 m ²
160	7,25	3	2,16	30	21,60	475,20		from 1000 m ²
180	8,15	2	1,44	24	17,28	380,16		from 1000 m ²
200	9,05	2	1,44	24	17,28	380,16		from 1000 m ²

Insulation-thickness [mm]	R _D INSUL value [m ² K/W] CE	Boards per pack	m ² per pack	Boards per pallet	m ² per pallet	m ² full load [= 11 pal.]	In stock	On demand*
ROOF LE: 2400 x 1200 MM								
20	0,90	24	69,12	120	345,60	3.801,60		from 1000 m ²
30	1,35	16	46,08	80	230,40	2.534,40	✓	
40	1,80	12	34,56	60	172,80	1.900,80	✓	
50	2,25	10	28,80	50	144,00	1.584,00	✓	
60	2,70	8	23,04	40	115,20	1.267,20	✓	
70	3,15	7	20,16	35	100,80	1.108,80		from 1000 m ²
80	3,60	6	17,28	30	86,40	950,40	✓	
90	4,05	5	14,40	25	72,00	792,00		from 1000 m ²
100	4,50	5	14,40	25	72,00	792,00	✓	
110	5,00	4	11,52	20	57,60	633,60		from 1000 m ²
120	5,45	4	11,52	20	57,60	633,60	✓	
140	6,35	3	8,64	18	51,84	570,24	✓	
142	6,45	3	8,64	15	43,20	475,20	✓	
160	7,25	3	8,64	15	43,20	475,20		from 1000 m ²

* Unilin reserves the right to charge and deliver a maximum of 5% overproduction

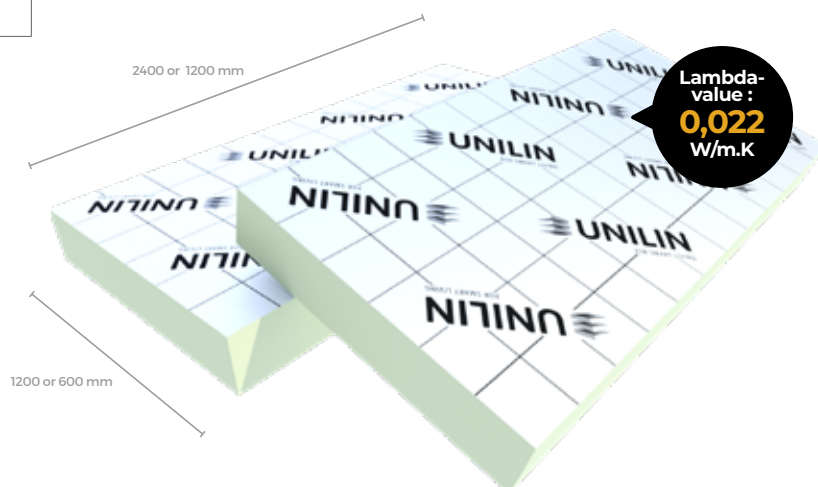


Technical properties

Declared thermal conductivity: λ_D according to EN13165: 2015	0,022 W/m.K
Compressive strength at 10% deformation: CS(10/Y)150 according to EN826	≥ 150 kPa (1,5 kg/cm ²)
Tensile strength perpendicular to the faces	TR80 ≥ 80 kPa
Dimensional stability 48h, 70°C, 90%RH 48h, -20°C	DS(70,90)3: $\Delta e_{l,b} \leq 2$ / $\Delta e_d \leq 6$ DS(-20,-)1: $\Delta e_{l,b} \leq 1$ / $\Delta e_d \leq 2$
Deformation under compressive load and temperature conditions	DLT(2) $\leq 5\%$
Density of the PIR foam	32 kg/m ³ ± 3 kg/m ³
Water vapour transmission resistance of the PIR foam: μ	50-100
Reaction to fire class	E according to EN 13501-1 B-s1, d0 (End-use steel deck)
Long term water absorption	WL(T)2 according to EN 13165 < 2%

Certificates

KOMO	CTG-671
FIW	WLS 023 DAA dh, DAA ds
CE	λ 0,022 W/m.K
DOP	UTHERM ROOF LE v1
EPD	EPD-IVP-20140208-IBE1-DE



Nr. EX-ENG-19-2

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