
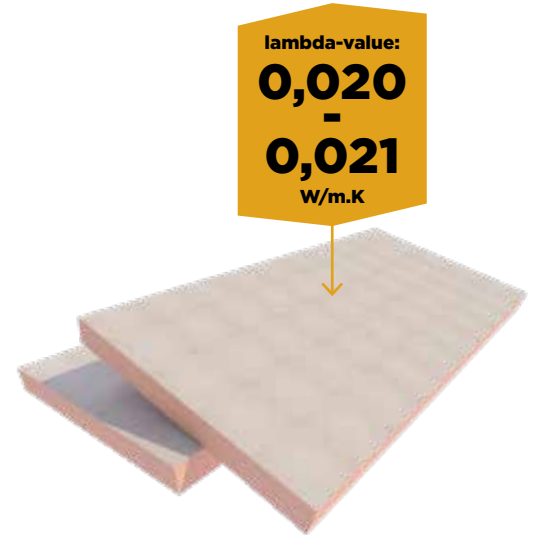


Usafe GC is a Euroclass C phenolic foam insulation board finished on both sides with a non-woven glass tissue facing, alkaline resistant.

Application	Insulation boards for prefabricated concrete sandwich panels and external walls
Insulation	Phenolic foam (PF) Declared lambda-value (λ_D): 0,021 W/m.K (50 mm ≤ d < 100 mm) 0,020 W/m.K (d ≥ 100 mm)
Facing	GC: non-woven glass tissue, alkaline resistant
Dimensions	Standard : 2400 x 1200 mm Also available upon request in size 1200 x 600 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*
Usafe GC: 1200 x 600 mm								
50	2,35	10	7,20	100	72,00	1.584,00		✓
60	2,85	8	5,76	80	57,60	1.267,20		✓
70	3,30	7	5,04	70	50,40	1.108,80		✓
80	3,80	6	4,32	60	43,20	950,40		✓
90	4,25	5	3,60	50	36,00	792,00		✓
100	5,00	5	3,60	50	36,00	792,00		✓
110	5,50	4	2,88	40	28,80	633,60		✓
120	6,00	3	2,16	42	30,24	665,28		✓
130	6,50	3	2,16	36	25,92	570,24		✓
140	7,00	3	2,16	36	25,92	570,24		✓

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*
Usafe GC: 2400 x 1200 mm								
50	2,35	6	17,28	48	138,24	1.520,64		✓
60	2,85	5	14,40	40	115,20	1.267,20		✓
70	3,30	4	11,52	32	92,16	1.013,76		✓
80	3,80	4	11,52	28	80,64	887,04		✓
90	4,25	4	11,52	24	69,12	760,32		✓
100	5,00	4	11,52	24	69,12	760,32		✓
110	5,50	3	8,64	21	60,48	665,28		✓
120	6,00	3	8,64	18	51,84	570,24		✓
130	6,50	3	8,64	18	51,84	570,24		✓
140	7,00	2	5,76	16	40,32	506,88		✓

* Minimum order quantities and special conditions upon consultation

TECHNICAL PROPERTIES

Declared thermal conductivity : λ_D according to EN 13166:2012+A2:2016	0,021 W/m.K (50 mm \leq d < 100 mm) 0,020 W/m.K (d \geq 100 mm)
Compressive strength at 10% deformation : CS(10/Y)100 according to EN 826	\geq 100 kPa (1,0 kg/cm ²)
Closed cell content	\geq 90%
Dimensional stability 48h, 70°C, 90% RH 23°C, 50% RH	DS(70,90): $\Delta\epsilon_{l,b} \leq 1,5$ / $\Delta\epsilon_d \leq 1,5$ DS(N): $\Delta\epsilon_{l,b} \leq 0,5$ / $\Delta\epsilon_d -$
Deformation under compressive load and temperature conditions	DLT(1) \leq 5%
Density of the PF foam	36,5 kg/m ³ \pm 1,5 kg/m ³
Reaction to fire class	C-s1, d0 according to EN 13501-1



Certificates	
CE	λ 0,020 - 0,021 W/m.K
DOP	Usafe GC v1
EPD	BES 6001 RS0039

Nr. EX-UK-21-1

For stock- and delivery conditions: inform with UNILIN, division insulation.

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