


UTHERM Premium Concrete K

Insulation board
for prefab

Utherm Premium Concrete K is a Premium PIR insulation board finished on both sides with a multilayer gastight laminate facer, alkali-(concrete) resistant.

Application	Insulation boards for prefab concrete elements
Insulation	Polyisocyanurate (PIR) Declared lambda-value (λ_D): 0,020 W/m.K
Facing	K: multilayer gastight laminate, alkali-(concrete) resistant
Dimensions	Standard: 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 [= 11 pal.]	In stock	On demand*
Premium Concrete K: 2400 x 1200 mm								
30	1,50	16	46,08	80	230,40	2534,40		✓
40	2,00	12	34,56	60	172,80	1900,80		✓
50	2,50	10	28,80	50	144,00	1584,00		✓
60	3,00	8	23,04	40	115,20	1267,20		✓
70	3,50	7	20,16	35	100,80	1108,80		✓
80	4,00	6	17,28	30	86,40	950,40	✓	
90	4,50	5	14,40	25	72,00	792,00		✓
100	5,00	5	14,40	25	72,00	792,00		✓
110	5,50	4	11,52	20	57,60	633,60		✓
120	6,00	4	11,52	20	57,60	633,60		✓
130	6,50	3	8,64	18	51,84	570,24		✓

* Minimum order quantities and special conditions upon consultation

TECHNICAL PROPERTIES

Declared thermal conductivity : λ_D according to EN 13165:2012+A2:2016	0,020 W/m.K
Compressive strength at 10% deformation : CS(10/Y)150 according to EN 826	≥ 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: $\Delta\epsilon_{l,b} \leq 2$ / $\Delta\epsilon_d \leq 6$ DS(-20,-)1: $\Delta\epsilon_{l,b} \leq 1$ / $\Delta\epsilon_d \leq 2$
Deformation under compressive load and temperature conditions	DLT(2) $\leq 5\%$
Density of the PIR foam	32 kg/m ³ \pm 3 kg/m ³
Water vapour transmission resistance of the PIR foam : μ	50-100
Reaction to fire class	F according to EN 13501-1
Long term water absorption	WL(T)2 according to EN 13165 < 2%



Certificates	
CE	λ 0,020 W/m.K
DOP	Utherm Premium Concrete K v2
EPD	B-EPD n° 21-0009-004-00-00-EN

Nr. EX-ENG-21-1

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

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