

# IKO enertherm KR ALU

## Product description:

IKO enertherm ALU is a **100 % CFC, HCFC, and HFC-free** insulation board with a core in hard polyisocyanurate foam, coated on both sides with a multilayer gastight aluminium complex.

## Application:

**Floor:** floor insulation (heated floors and concrete floors)

**Wall:** industrial applications

## Edge finish:

 Straight
  Tongue and groove (TG)

## Thermal performance:

Thermal conductivity: (EN 13165)  $\lambda$ D: **0,022 W/(m.K)**

## Fire properties

Fire class to EN 13501-1: **Class F**

## Technical details:

- Grid overprint: **100 x 200 mm of 100 x 100 mm** (aid for positioning floor heating)
- Bulk density: **± 32 kg/m<sup>3</sup>**
- Compressive strength at 10% deformation: **≥ 150 kPa (15 ton/m<sup>2</sup>)**
- Closed cells: **more than 95%**
- Water vapour diffusion resistance: PIR foam:  $\mu = 60$  - KR ALU lamination:  $\mu > 100.000$



## Technical approvals:

**Europe:** CE - EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)- TR80-CS(10Y)150-WL(T)1

**France:** Certificat Acermi N° 06/103/436

## Availability:

Thickness (mm) Rd (m <sup>2</sup> .K/W)		30	40	50	54	60	70	80	82	90	95	100	105	110	120	140	150	160	180	200
		1,35	1,80	2,25	2,45	2,70	3,15	3,60	3,70	4,05	4,30	4,50	4,75	5,00	5,45	6,35	6,65	7,25	8,15	9,05
1 200 x 600	m2/pac	11,52	8,64	7,20	-	5,76	5,04	4,32	-	2,88	3,60	3,60	2,88	2,88	2,88	2,16	2,16	1,44	1,44	1,44
	m2/pal	115,20	86,40	72,00	-	57,60	50,40	43,20	-	40,32	36,00	36,00	34,56	34,56	28,80	25,92	25,92	23,04	20,76	17,28
1 200 x 1 000 (TG)	m2/pac	19,20	14,40	12,00	10,80	9,60	8,40	-	7,20	-	4,80	-	4,80	-	4,80	3,60	-	-	-	-
	m2/pal	96,00	72,00	60,00	54,00	48,00	42,00	-	36,00	-	28,80	-	28,80	-	24,00	21,60	-	-	-	-
2 400 x 1 200	m2/pac	-	34,56	28,80	-	23,04	20,16	17,28	-	11,52	-	-	-	-	11,52	8,64	-	-	-	-
	m2/pal	-	172,80	144,00	-	115,20	100,80	86,40	-	70,64	-	-	-	-	57,60	57,60	-	-	-	-