

# IKO enertherm KR ALU

## Product description:

IKO enertherm KR 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)**

## 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:  $\mu > 100.000$

## Fire properties

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

## Technical approvals:

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

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

## Availability:

| Thickness (mm)           |        | 30     | 40     | 50     | 54   | 60     | 70     | 80    | 82   | 90    | 95   | 100  | 105  | 110  | 120   | 140   | 150  | 160  | 180  | 200  |
|--------------------------|--------|--------|--------|--------|------|--------|--------|-------|------|-------|------|------|------|------|-------|-------|------|------|------|------|
| Rd (m <sup>2</sup> .K/W) |        | 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  | 6,80 | 7,25 | 8,15 | 9,05 |
| 2 400 x 1 200            | m2/pac | 46,08  | 34,56  | 28,80  | -    | 23,04  | 20,16  | 17,28 | -    | 11,52 | -    | -    | -    | -    | 11,52 | 8,64  | -    | -    | -    | -    |
|                          | m2/pal | 230,40 | 172,80 | 144,00 | -    | 115,20 | 100,80 | 86,40 | -    | 70,64 | -    | -    | -    | -    | 57,60 | 57,60 | -    | -    | -    | -    |