

## IKO enertherm ALU F4

### Product description:

IKO enertherm ALU is a 100 % CFC, HCFC or HFC-free insulation board with a rigid polyisocyanurate foam core, clad on both sides with a multi-layer gastight aluminium complex. This high-quality reflecting ALU cladding consists of no fewer than seven layers, combined into a single complex. It is tested under extreme conditions in respect of water absorption, mechanical properties, corrosion resistance and emissivity.

### Application:

Rooftop: flat roof insulation for timber, concrete and steel deck.



### Edge finish:

 Rebate (SP)

### Thermal performance:

Thermal performance: Thermal conduction coefficient: (EN 13165)  $\lambda_D$ : 0,022 W/(m.K)

### Technical details:

- Bulk density:  $\pm 32 \text{ kg/m}^3$
- Compressive strength at 10% deformation: 175 kPa (17,5 ton/m<sup>2</sup>)
- Behaviour under uniformly distributed loading: Class C ( $\leq 5\%$  deformation at 70 °C and 40 kPa loading)
- Closed cells: more than 95%
- Water vapour diffusion: PIR foam:  $\mu = 60$  - ALU facing:  $\mu > 100,000$

### Fire properties

Fire class according to EN 13501-1: Class E

Fire class 'end use' according to 13501-1: B-s2,d0 (steeldeck)

### Technical approvals:

Europe: CE - EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)5-TR80 ( $\leq 140$  mm) TR40 ( $> 140$  mm)-CS(10Y)175-WL(T)1

Belgium: ATG 2726 - ATG H867

France: Acermi N° 18/103/1398

Netherlands: Komo kwaliteitsverklaring CTG 485

Germany: Q-Zeichen PU-244.0-04

UK: BBA 15/5283

USA: FM Factory Mutual (see roofnav.com)

### Availability:

Thickness (mm) Rd (m <sup>2</sup> .K/W)		50	60	70	80	85	90	100	110	120	130	140	150	160	180	200
		2,25	2,70	3,15	3,60	-	-	4,50	-	5,45	5,90	6,35	-	7,25	8,15	9,05
1 200 x 600 SP	m2/pac	-	5,76	-	4,32	-	-	3,60	-	2,88	-	2,16	-	1,44	1,44	1,44
	m2/pal	-	57,60	-	43,20	-	-	36,00	-	28,80	-	25,92	-	23,04	20,16	17,28
2 400 x 1 200 SP	m2/pac	-	-	-	17,28	-	-	14,40	-	11,52	-	8,64	-	5,76	5,76	5,76
	m2/pal	-	-	-	86,40	-	-	72,00	-	57,60	-	57,60	-	46,08	40,32	34,57