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) λD: 0,022 W/(m.K)

Technical details:

- Bulk density: ± 32 kg/m³
- Compressive strength at 10% deformation: 175 kPa (17,5 ton/m2)
- Behaviour under uniformly distributed loading: Class C (≤ 5% deformation at 70 °C and 40 kPa loading)
- Closed cells: more than 95%
- Water vapour diffusion: PIR foam: μ = 60 - ALU facing: μ > 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 (≤ 160 mm) TR40 (> 160 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 (m².K/W)		50 2,25	60 2,70	70 3,15	80 3,60	85 -	90 -	100 4,50	110 -	120 5,45	130 5,90	140 6,35	150 -	160 7,25	180 8,15	200 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