

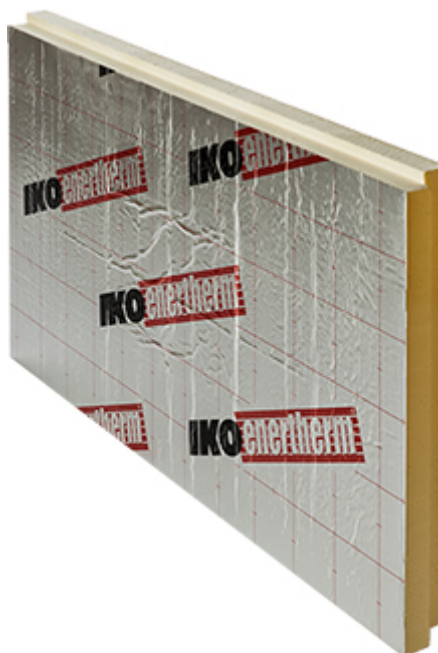
IKO enertherm ALU F4

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.

Application:

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



Edge finish:



Thermal performance:

Thermal conduction coefficient: (EN 13165) λ_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/m²)**
 Behaviour under uniformly distributed loading: **class C** ($\leq 5 \%$ deformation at 80 °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: Euroclass 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 (≤ 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
USA: FM Factory Mutual

Availability:

Thickness (mm)		50	60	70	80	85	90	100	110	120	130	140	150	160	180	200
Rd (m ² .K/W)		2,25	2,70	3,15	3,60	3,85	4,05	4,50	5,00	5,45	5,90	6,35	6,81	7,25	8,15	9,05
1 200 x 600	m2/pac	-	5,76	-	4,32	-	-	3,60	-	2,88	-	2,16	-	1,44	-	-
	m2/pal	-	57,60	-	43,20	-	-	36,00	-	28,80	-	25,92	-	23,04	-	-
2 400 x 1 200	m2/pac	-	-	20,16	17,28	14,40	11,52	14,40	11,52	11,52	11,52	8,64	5,76	5,76	5,76	5,76
	m2/pal	-	-	100,80	86,40	86,40	80,64	72,00	57,60	57,60	57,60	57,60	46,08	46,08	40,32	34,57