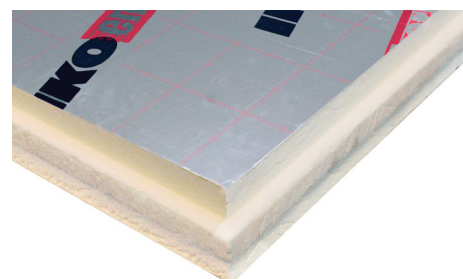


IKO enertherm ALU



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 multi-layer gastight aluminium complex.

Application:

Rooftop: flat roof insulation for wood, concrete and steel deck

Sarking: roof insulation over the rafters (type NF with neutral film)

Floor: floor insulation (heated floors and concrete floors)

Wall: cavity wall insulation

Wrap: outer wall insulation (closed joints)

Comfort: attic insulation

Edge finish:

Straight edges (with rebate on request)



Available accessories:

- IKO Range of PU adhesives
- IKO ALU tape 50mm x 50mm

Thermal performance:

Thermal conductivity: (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: $\mu > 100,000$
- Edge finish: **straight, tongue and groove or rebate**
- Fire class to EN 13501-1: **Class E**
- Fire class 'end use' to EN 13501-1: **B-s2, d0 (steel deck)**
- Fire class to Royal Decree 19/12/1997: **A1 (Belgium)**

Technical approvals:

Europe: CE - EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)-TR80-CS(10Y)175-WL(T)1

Belgium: ATG 2726 - ATG 2727 - ATG H867

France: Certificate Acermi N° 06/103/434
DTA 5/13-2350

Netherlands: Komo Attest met Productiecertificaat CTG 485
Komo CTG 544

Germany: Building Approval Z 23.15-161

USA: FM Factory Mutual

IKO enertherm ALU (mm)		30	40	50	60	70	80	85	90	100	102	105	120	140
1200 x 600	R _D -Wert (m ² .K/W)	1,30	1,75	2,20	2,65	3,10	3,55	-	4,00	4,40	-	4,65	5,30	6,20
1200 x 600 TG		-	1,75	2,20	2,65	3,10	3,55	-	4,00	4,40	-	4,65	5,30	6,20
1200 x 600 SP		-	-	-	2,65	-	3,55	-	-	4,40	-	-	5,30	6,20
1200 x 1000		1,30	1,75	2,20	2,65	3,10	3,55	-	4,00	4,40	-	-	5,30	-
2400 x 1200		1,30	1,75	2,20	2,65	3,10	3,55	3,75	4,00	4,40	-	-	5,30	6,20
2400 x 1200 NF (Sarking)		-	-	-	-	-	3,55	-	-	-	4,50	-	5,30	6,20
2400 x 1200 SP		-	-	-	2,65	3,10	3,55	3,75	4,00	4,40	-	4,65	5,30	6,20

IKO enertherm ALU Gefälledämmung		Dicke (mm)												
1/120 (0.83%) (1200 x 1200)		30 - 40	40 - 50	50 - 60	60 - 70	70 - 80	80 - 90	90 - 100	100 - 110	110 - 120				
1/80 (1.25%) (1200 x 1200)		30 - 45	45 - 60	60 - 75	75 - 90	90 - 105	105 - 120							
1/60 (1.67%) (1200 x 1200)		40 - 60	60 - 80	80 - 100	100 - 120									

Verpackungseinheiten		30	40	50	60	70	80	85	90	100	102	105	120	140
1200 x 600	m ² /Packung	8,64	8,64	7,20	5,76	5,04	4,32	-	3,60	3,60	-	2,88	2,88	2,16
	m ² /Palette	86,40	86,40	72,00	57,60	50,40	43,20	-	36,00	36,00	-	34,56	28,80	25,92
1200 x 1000	m ² /Packung	19,20	14,40	12,00	9,60	8,40	7,20	-	4,80	6,00	-	-	4,80	-
	m ² /Palette	96,00	72,00	60,00	48,00	42,00	36,00	-	33,60	30,00	-	-	24,00	-
2400 x 1200	m ² /Packung	46,08	34,56	28,80	23,04	20,16	17,28	14,40	11,52	14,40	11,52	11,52	11,52	8,64
	m ² /Palette	230,40	172,80	144,00	115,20	100,80	86,40	86,40	80,64	72,00	69,12	57,60	57,60	51,84
2400 x 1200 (Sarking NF)	m ² /Packung	-	-	-	-	-	8,64	-	-	-	5,76	-	5,76	5,76
	m ² /Palette	-	-	-	-	-	86,40	-	-	-	69,12	-	57,60	51,84