IKO enertherm ALU

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:

Flat Roof: Roof insulation for timber, concrete and steel deck
Pitch: Pitched roof insulation
Floor: Floor insulation (underfloor heating and concrete floors)
Wall: Timber, steel frame
Wrap: Façade
Comfort: Loft insulation

Edge finish:

Straight

Thermal performance:

Thermal conduction coefficient: (EN 13165) **λD: 0,022 W/(m.K)**

Technical details:

Bulk density: **± 30 kg/m³**
Compressive strength at 10% deformation: **175 kPa (17,5 ton/m2)**
Behaviour under uniformly distributed loading (≤ 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 F
Fire class ‘end use’ according to 13501-1: B-s2,d0 (steeldeck)

Technical approvals:

UKCA: BS/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
UK: BBA 15/5283 UK: Range 30mm – 200mm
USA: FM Factory Mutual (consult roofnav.com)

Availability:

Thickness (mm)		25	30	40	50	60	70	75	80	90	100	110	120	140	150	160	180	200
2400 x 1200	m2/pack	57,60	46,08	34,56	28,80	23,04	20,16	11,52	17,28	11,52	14,40	11,52	11,52	8,64	5,76	5,76	5,76	5,76
	m2/pal	288	230,40	172,80	144,00	115,20	100,80	92.16	86,40	80.64	72,00	57,60	57,60	51.84	46,08	46,08	40,32	34,56