

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:

- **Rooftop:** flat roof insulation for timber, concrete and steel deck.
- **Sarking:** pitched roof insulation (type nF with neutral felt).
- **Floor:** floor insulation (underfloor heating and concrete floors).
- **Wall:** cavity wall insulation.
- **Wrap:** outside wall insulation (closed joints).



Edge finish:

 Straight

Thermal performance:

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

Technical details:

- Bulk density: \pm **32 kg/m³**
- 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: μ = **60** - ALU facing: μ > **100,000**

Update to H1 Legislation:

MBIE has confirmed new legislation increasing the amount of insulation required in new build commercial and residential roofs. Nuralite Enertherm insulation materials are available in range of thickness to meet the requirements (Schedule method) of clause H1 NZBC.

Availability:

Thickness (mm)	30	40	50	60	70	80	100
R Value Achieved	1.35	1.80	2.25	2.70	3.15	3.60	4.55

Note: Various board sizes are available dependent upon the thickness and order quantity required. There may be a minimum order quantity to access the sizes. Please contact Outright Continuous Insulation for details.

Fire properties

- Fire class 'end use' according to 13501-1: B-s2,d0 (steeldeck)
- Fire class according to BS 476 - p7 : Class 1

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 2727 - ATG H867

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

Netherlands: Komo Attest met Productiecertificaat CTG 485 Komo CTG 544

UK: BBA Certified