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).
- **Comfort:** loft insulation.

Edge finish:
- Straight
- Rebate (SP)
- Tongue and groove

Thermal performance:
Thermal conduction coefficient: (EN 13165) \(\lambda\): 0.022 W/(m.K)

Fire properties
- Fire class according to EN 13501-1: Class E
- Fire class ‘end use’ according to 13501-1: B-s2,d0 (steel deck)
- Fire class according to BS 476 - p7 : Class 1

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 80 °C and 40 kPa loading)
- Closed cells: **more than 95%**
- Water vapour diffusion: PIR foam: \(\mu\) = 60 - ALU facing: \(\mu\) > 100,000

Technical approvals:
Europe: CE – EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)5-TR80-CS(10)Y175-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
Germany: Bauaufsichtliche Zulassung Z 23.15-1611
UK: BBA 15/5283
USA: FM Factory Mutual

Availability:

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