

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:

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

Pitch: pitched roof insulation

Floor: floor insulation (underfloor heating and concrete floors).

Wall: timber, steel frame & cavity wall insulation.

Wrap: façade

Comfort: loft insulation

Edge finish:

 Straight

Thermal performance:

Thermal conduction coefficient: (EN 13165) λ_D : **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 (steeldeck)

Fire class according to BS 476 - p7 : class 1

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 70 °C and 40 kPa loading)

Closed cells: **more than 95%**

Water vapour diffusion: PIR foam: μ = **60** - ALU facing: μ > **100,000**



Technical approvals:

Europe: CE - EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)5-TR80-CS(10Y)175-WL(T)1

UK: BBA 15/5283

Availability:

Thickness (mm)		25	30	40	50	60	70	75	80	90	100	110	120	140	150	160	180	200
1 200 x 450	m2/pack	-	8,64	6,48	5,40	4,32	-	2,16	-	-	2,70	-	-	-	-	-	-	-
	m2/pal	-	86,40	64,80	54,00	43,20	-	34,56	-	-	27,00	-	-	-	-	-	-	-
1 200 x 1 000	m2/pack	-	19,20	14,40	12,00	9,60	7,20	-	-	4,80	6	-	4,80	3,60	-	-	-	-
	m2/pal	-	96,00	72,00	60,00	48,00	36,00	-	-	33,6	30	-	24,00	21,60	-	-	-	-
2 400 x 1 200	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	80,64	86,40	70,64	72,00	57,60	57,60	57,60	46,08	46,08	40,32	34,57



SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product name:

All IKO supplied Insulation Boards including: Supertherm and Enertherm brand with PIR, cork, or extruded polystyrene cores and glass tissue, aluminium, polyester faced or un-faced boards

Use/Applications: Insulation
Supplier: IKO PLC
Address: Appley Lane North
Appley Bridge, Wigan
Lancashire WN6 9AB

Emergency telephone +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday

2. HAZARDS IDENTIFICATION

Insulation boards are not hazardous for supply under CLP Regulations. Precautions should be taken to avoid inhaling dust when handling and cutting boards. Handling glass fibre faced boards may cause skin irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

None of the ingredients is hazardous in the form supplied and there are no associated WELs. When cutting the boards dust of varying particle size is formed. It is recommended that a maximum exposure limit of 4mg/m³ is adopted for the resulting dust.

4. FIRST AID MEASURES

Skin: In the event of skin irritation through contact with glass fibre, rinse well in running water.
Eyes: Irrigate thoroughly with clean cold water for at least 5 minutes whether affected by glass tissue fibre or dust
Inhalation: Remove from exposure if any ill effects are experienced, rest and keep warm. No significant risk under normal conditions.
Ingestion: No significant risk under normal working conditions.

5. FIRE-FIGHTING MEASURES

The products are combustible and release dense acrid fumes and smoke when they burn. In the event of a fire wear protective clothing. In confined areas wear self-contained breathing apparatus to prevent inhalation of toxic products of combustion. Extinguish fire with foam, dry powder or water spray

6. ACCIDENTAL RELEASE MEASURES

Not applicable

7. HANDLING AND STORAGE

Store away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:

The use of a general purpose dust mask (P2 or P3) is recommended when cutting boards

Skin protection:

The use of gloves is recommended when handling boards to protect against irritation from glass fibre faced boards or cuts when handling aluminium faced boards

Eye Protection:

The use of light eye protection is advised to protect against ingress of dust, in the case of foil faced boards UV rated eye protection is recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

Not applicable

10. STABILITY AND REACTIVITY

Stable under normal conditions

11. TOXICOLOGICAL INFORMATION

No hazard in the form supplied



SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

No information

13. DISPOSAL CONSIDERATIONS

Dispose of waste material as controlled waste in accordance with national and local regulations

14 TRANSPORT INFORMATION

Not classified as hazardous for Road, Rail, Sea or Air Transport.

15. REGULATORY INFORMATION

Not classified as dangerous for supply under the Classification, Labelling & Packaging Regulations.

16. OTHER INFORMATION

We believe all information given is accurate and is offered, in good faith, but without guarantee.

Since conditions of use are beyond our control all risks of use are assumed by the user. Recipients of this MSDS must make their own assessment of the workplace risk as required by other health and safety legislation.
