

# IKO enertherm ALU TAP

## Product description:

IKO enertherm ALU TAP is a 100 % CFC, HCFC or HFC-free insulation board with a rigid polyisocyanurate foam core, clad on both sides with a reflective multi-layer gastight aluminium complex. This high-quality ALU TAP 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:** IKO Enertherm ALU TAP provides a drainage solution to ponding water on flat roofs for timber, concrete and steel decks.



## Edge finish:

■ Straight

## Thermal performance:

Thermal conduction coefficient: (EN 13165)  
 $\lambda_D$ : 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/m<sup>2</sup>)  
 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:  $\mu > 100,000$   
 Existing gradients  
 - 1:120, 0,83%  
 - 1:80, 1,25%  
 - 1:60, 1,67%  
 - 1:50, 2,08%

## Fire properties

Fire class according to EN 13501-1: **Class E**  
 Fire class according to BS 476 - p7 : **Class 1**

## Technical approvals:

**UKCA** BS/EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)5- TR80-CS(10Y)175-WL(T)1  
**Netherlands:** Komo Attest met Productiecertificaat CTG 485  
**UK:** BBA 15/5283 1:80 & 1:60

## Availability:

ALU TAP (1200 x 1200 mm)	Thickness (mm)						
1/120 (0.83%)	30 - 40	40 - 50	50 - 60	60 - 70	70 - 80	80 - 90	90 - 100
1/80 (1.25%)	30 - 45	45 - 60	60 - 75	75 - 90	90 - 105	105 - 120	
1/60 (1.67%)	40 - 60	60 - 80	80 - 100	100 - 120			
1/50 (2.08%)	20 - 45	45 - 70	70 - 95	95 - 120			

Packaging units	Thickness (mm)						
1/120 (0,83%)	30-40	40-50	50-60	60-70	70-80	80-90	90-100
M <sup>2</sup> /pack	20,16	14,4	11,52	8,64	8,64	5,76	5,76
Boards/pack	14	10	8	6	6	4	4

1/80 (1,25%)	30-45	45-60	60-75	75-90	90-105	105-120	
M <sup>2</sup> /pack	17,28	11,52	8,64	8,64	5,76	5,76	
Boards/pack	12	8	6	6	4	4	
1/60 (1,67%)	40-60	60-80	80-100	100-120			
M <sup>2</sup> /pack	14,4	8,64	5,76	5,76			
Boards/pack	10	6	4	4			
1/50 (2,08%)	20-45	45-70	70-95	95-120			
M <sup>2</sup> /pack	14,4	8,64	8,64	5,76			
Boards/pack	10	6	6	4			