

# IKO enertherm GOLD

## Product description:

IKO enertherm GOLD 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 rooftop insulation 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.

## Edge finish:

■ ■ Straight

## Thermal performance:

Thermal conduction coefficient: (EN 13165)  $\lambda$ D: **0,022 W/(m.K)**

## Fire properties

Fire class according to EN 13501-1: Euroclass Fire 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/m<sup>3</sup>**  
 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**



## Technical approvals:

**Europe:** CE - EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)-TR80CS(10Y)175-WL(T)1

BBA Approved

## Availability:

Thickness (mm)		30	40	50	60	70	80	100	120	140	150
2 400 x 1 200	m <sup>2</sup> /pack	46,08		28,8	23,04		17,28	14,4	11,52	8,64	5,76
	m <sup>2</sup> /pal	230,4		144	115,2		86,4	72	57,6	51,84	46,08