

# 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:** 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)**

## 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**

## 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 approvals:

**UKCA:** BS/EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)5-<160mm TR80 >160mm TR40-CS(10Y)175-WL(T)1

**UK:** BBA 15/5283

## Availability:

Thickness (mm)		30	50	60	80	100	120	140	150	160	180	200
2400 x 1200	m <sup>2</sup> /pack	-	-	-	-	-	11.52	8.64	5.76	5.76	5.76	5.76
	m <sup>2</sup> /pal	-	-	-	-	-	57.6	51.84	46.08	46.08	40.32	34.56
1200 x 1200	m <sup>2</sup> /pack	23.40	14.40	11.52	8.64	7.20	5.76	4.32	-	-	-	-
	m <sup>2</sup> /pal	115.20	72.00	57.60	43.20	36.00	28.80	25.92	-	-	-	-