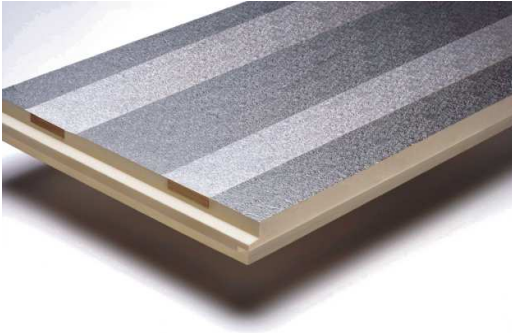


puren M metal roof insulation element ThCG 024



- Double-sided anti-glare aluminium coating (50 µm)
- Two factory-made multi-layer wood strip inlays
- High- performance PUR/PIR foam, available in thicknesses from 60 to 180 mm
- Front end: stable tongue + groove joint, longitudinal Stepp-seam for easy installation without mounting aids

The metal roof insulation element in a convenient, narrow format is particularly suitable for the cost-efficient equipping of non-ventilated single-panel metal roof or façade constructions.

puren metal roof insulation element ThCG 024-diffusion-sealed design

Steep roof insulation element made of high-performance PUR/PIR-rigid foam insulating material, CFC and HCFC- free, application type PUR 024 DAD with aluminium outer layer on both sides (50 µm) for all full-surfaced insulation above rafters with no thermal bridging, topside with two 90 mm wide factory-made multi-layer wood strip inlays for attaching the elements onto the supporting structure as well as for fastening flashing and fasteners.

Advantages

- | Factory-made water resistant glued wooden strips (glue-lams) for an easy installation onto the supporting structure
- | Single-panel roof structure with optimum thermal insulation in winter and summer
- | No special tools required
- | Plenty of room for architectural
- | Low structural depth saves tremendously on cost
- | Easily meets the requirements of the ZVSHK (German Central Association for Sanitation, Heating and Air Conditioning)
- | Excellent handling due to optimum width/length ratio
- | Easy installation, no mounting aids necessary

Harmless from a biological and building ecology point of view, non-rotting, recyclable, mould- and mildew resistant (PUR/PIR)

A U-value of 0.20* can be achieved with a thickness of just 120mm.

* Thermal transfer resistance R_{si} und R_{se} and 19 mm wood paneling are taken to account

Properties puren M Metal roof insulation element

PUR/PIR rigid foam:	CFC- and HCFC- free , third-party controlled by FIW Munich					
Properties:	does not smoulder, melt or drop off					
Apparent density:	> 30 kg/cbm in accordance with DIN EN 1602					
Thermal conductivity grade:	$\lambda = 0,024 \text{ W/(mK)}$ in accordance with DIN 4108-4					
Coefficient of vapour diffusion resistance :	40 – 200 (PUR/PIR rigid foam)					
Application type:	DAD in accordance with DIN 4108-10					
Reaction to fire: Fire resistance class: Temperature resistance:	B2 in accordance with DIN 4102 REI 30 with wood panelling $\geq 19 \text{ mm}$ up to + 90° C, short term up to + 250° C					
Covering layer:	coated both sides with aluminium (50 μm), slip resistant and anti-glare surface with two factory made inlaid 90mm wide multi-layer wood strip inlays					
Edge:	tongue+ groove joint at the front end, longitudinal step-seam					
External dimensions Internal Dimensions	2.400 x 620 mm 2.380 x 600 mm					
Available thicknesses:	80 mm	100 mm	120 mm	140 mm	160 mm	180 mm
U-value W/(sqmK)	0,30	0,24	0,20	0,17	0,15	0,13
Package content p.pallet (sqm)	37,128	31,416	25,704	22,848	19,992	17,136
Weight of element per unit area kg/sqm	5,20	6,10	6,60	7,30	8,00	9,60

Recommended accessories:

- puren M separation layer **TOP DSB 100**
- Underlayer **WPC 50 TVB**
- **AKOS** self-adhesive acoustic separation layer
- puren M vapour barrier **DS AL**

The information provided in this paper does not release the buyer from his obligation to check the materials used for the suitability for the intended purpose or application.

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