

**LINITHERM®**

insulation systems

**LINZMEIER**

building elements

Over-rafter insulation system

**PGV Flex**



## Thermal insulation at its best

LINITHERM PGV Flex is the ideal insulation for vaulted areas:  
e.g. barrel roofs, sawtooth roofs, roofs of listed buildings with  
extreme warpage, eyebrow dormers, segmental dormers.



### The safe insulation...

- Extremely flexible from small to large radii
- Easy to assemble
- Protection from heat in the summer

### Maximal thermal insulation with the lowest panel thickness

- Homogenous, permanent thermal insulation
- Polyurethane (PUR/PIR) rigid foam provides the maximum insulation performance with the lowest panel thickness (TCL 027/029)

- PUR/PIR is rot-proof and extremely pressure resistant and is therefore unsusceptible to snow loads, wind and aging.

- Positive eco-balance

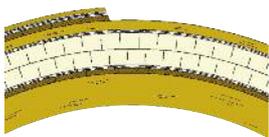


Thermal insulation for vaulted roofs

Flexible from small to large radii

Homogenous, contiguous thermal insulation

Maximum insulation with minimal panel thickness



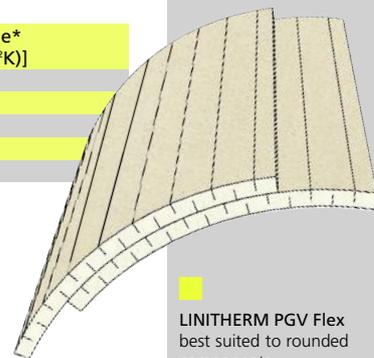
LINITHERM PGV Flex  
On boarding  
With boarding track/vapour barrier

**LINITHERM PGV Flex**

**Insulation core:** PUR/PIR rigid foam in accordance to DIN EN 13165, class E, with mineral fleece on both sides, insulation element slit above and below round about edgeless  
**Edge connection:** Round about edgeless  
**Please note:** Vapour barrier to be fitted on site. When constructing the roof substructure and the entire roof system the specialist rules must be observed.  
**Identification according to EN:** PUR-EN 13165-T2-DS(TH)9-CS(10\Y)100  
**Overall dimension:** 2440 x 1200 mm (= calculation measurement)

Thickness mm PUR/PIR	Pallet contents Qty. m <sup>2</sup>	TCL PUR/PIR	U-value* [W/(m <sup>2</sup> K)]
60	40 117.1	029	
80	30 87.8	027	
120 (60+60)			0.24
140 (60+80)			0.20
160 (80+80)			0.18

\* U-value takes into consideration the slit with a radius of 2 m and a 19 mm wooden boarding. Object-specific features according to DIN EN ISO 6946 are not taken into consideration.



LINITHERM PGV Flex  
best suited to rounded components.

**All wrapped up warm with LINITHERM PGV FLEX!**

According to their design as barrel vaults, barrel roofs are one of the most original styles of roofs.

Vaulted roofs such as segmental or eyebrow dormers, barrel-vaulted roofs and listed, extremely skewed roofs or round components from small to large radii can be insulated quickly, easily, fully and economically with LINITHERM PGV FLEX.

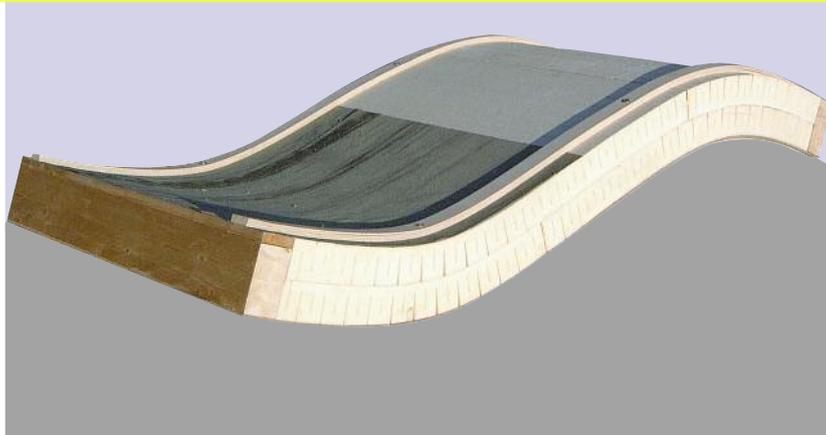
Due to the slits on both sides, the insulation element nestles closely to the roundings of the substructure.

The high quality insulation material PUR/PIR rigid foam is covered with diffusible mineral fleece on both sides. It provides maximal insulation power ( $\lambda_B = 0,027 / \lambda_B = 0,029$ ) with a minimal construction height.

More layers can be applied on top of each other where low U-values are needed. The panels can be easily hewed, -sawn, cut, drilled, nailed and glued.

Additional advantages include: resistant to hot bitumen (up to 250° in the short-term), high compressive strength, closed cells, water-repellent, accurate to size and dimensionally stable, non-ageing and recyclable, low weight and handy formats.

**LINITHERM PGV Flex – the flexible thermal insulation nestles perfectly into rounded roof vaults**



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