

LINITHERM®

insulation systems

LINZMEIER

building elements

Flat roof

■ **PAL Gradient**

■ **PGV Gradient**

NEW!

Insulation with inclination - for durable, energy-saving flat roofs

LINITHERM „gradient“ insulation systems were developed specifically for flat roofs. Simply by laying slanted insulation boards an inclined plane is created, ensuring that water flows to the low point of the roof.

TCL 023 or TCL 029

Thin insulation, maximum effect

High pressure resistance

Easy processing and laying

Greater safety

Easy laying without numbering

Lightweight, easily handled insulation elements

Short-term resistance to hot bitumen up to 250 °C (LINITHERM PGV Gradient)

High pressure resistance

Can be combined with LITEC parapet

More options

Ideal basis for: planted roofs, terrace slabs, gravel layers etc.

Save more energy with PUR

High insulation performance with low height

Heat protection in summer, thermal insulation in winter

Insulating core of PUR/PIR rigid foam

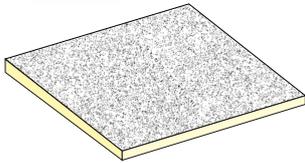
Does not decay, can be recycled

Positive ecological balance



PAL Gradient

NEW



LINITHERM PAL Gradient

Applications: Roof with 2% gradient
Insulating core: PUR/PIR rigid foam acc. to DIN EN 13165, class E, aluminium foil on both sides = vapour barrier
Edge joints: round about edgeless cut
EN designation: PUR-EN 13165-T2-DS(TH)9-CS(10Y)100-TR40
Coverage dimension: 1200 x 1200 mm

Total thickness mm	Gradient %	TCL PUR/PIR
30/55	2	023
55/80	2	023
other thicknesses by request		

PGV Gradient

NEW



LINITHERM PGV Gradient

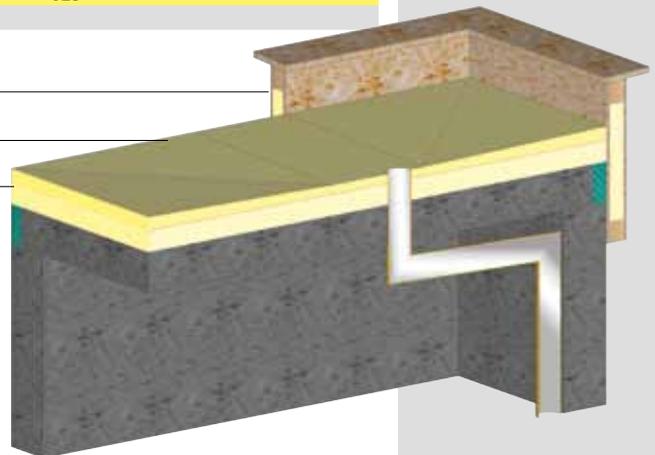
Applications: Roof with 2% gradient
Insulating core: PUR/PIR rigid foam acc. to DIN EN 13165, class E, mineral fleece on both sides
Edge joints: round about edgeless cut
EN designation: PUR-EN 13165-T2-DS(TH)9-CS(10Y)100-TR40
Coverage dimension: 1200 x 1200 mm

Total thickness mm	Gradient %	TCL PUR/PIR
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LITEC parapet element

LINITHERM PAL or PGV Gradient

LINITHERM PAL or PGV flat roof insulation



LINITHERM - insulation with inclination

Two insulation systems with gradient: LINITHERM PAL Gradient (TCL 023) with aluminium foil on both sides, and LINITHERM PGV Gradient (TCL 029) laminated with mineral fleece on both sides. Both product lines, in combination with LINITHERM flat roof insulating boards, meet the tough requirements of flat roof insulation. The gradient is created as the slanted insulating boards are laid. Heavy constructions, such as an inclined screed, are unnecessary. Optimum insulation with low thickness is guaranteed the same time.

LINITHERM Gradient - the pressure-resistant substrate

The insulation boards from the LINITHERM Gradient range are highly resistant to pressure. Materials such as gravel or terrace slabs can be laid on top of them without difficulty. It is even possible to walk on the insulation boards when they are uncovered. A "beaten path" does not develop on the roof surface.

LINITHERM - for flat roofs with extra value

The flat roof is one of the most economical and versatile of the many kinds of roof construction. In addition to optimum space utilisation, they offer additional usage options in both residential and commercial buildings, such as terraces, planted roofs or as accessible roof gardens.

LINITHERM plus LITEC - the perfect pair

LITEC offers a two-piece parapet element for fast, secure roof edge construction. It is extremely strong, can accept mechanical stress, and is easy to process. It is attached using wooden concealed edge band. We would be pleased to send you further information.

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