

LINITHERM®

insulation systems

LINZMEIER

building elements

Flat roof

■ **PAL Gradient**■ **PGV Gradient**

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 022 or TCL 028/026

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

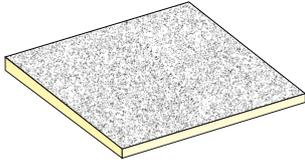
Insulating core of PUR/PIR rigid foam

Does not decay, can be recycled

Positive ecological balance



PAL Gradient



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
Coverage dimension: 1200 x 1200 mm

Total thickness mm	Gradient %	Pallet contents Qty.	m ²	TCL PUR/PIR
30/55	2	48	69,1	022
55/80	2	30	43,2	022
80/105	2	22	31,7	022
105/130	2	18	25,9	022

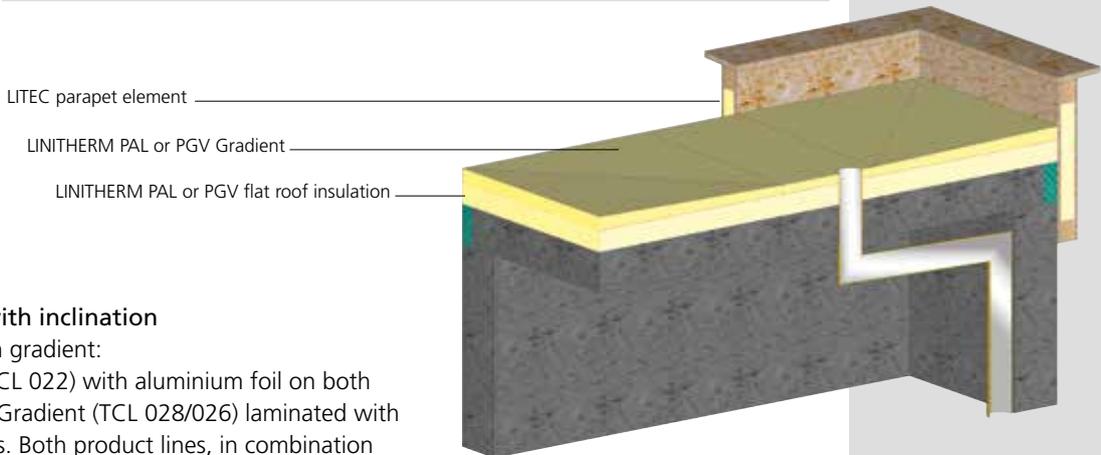
PGV Gradient



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 (thickness 5/30 mm unlaminated)
Edge joints: round about edgeless cut
Coverage dimension: 1200 x 1200 mm

Total thickness mm	Gradient %	Pallet contents Qty.	m ²	TCL PUR/PIR
5/30	2	116	167,0	028
30/55	2	48	69,1	028
55/80	2	30	43,2	028
80/105	2	22	31,7	026
105/130	2	18	25,9	026



LINITHERM - insulation with inclination

Two insulation systems with gradient:

LINITHERM PAL Gradient (TCL 022) with aluminium foil on both sides, and LINITHERM PGV Gradient (TCL 028/026) 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.

Linzmeier Bauelemente GmbH
 Industriestraße 21
 88499 Riedlingen
 T +49 (0) 7371 1806-0
 F +49 (0) 7371 1806-96

Königshofen
 Schortentalstraße 24
 07613 Heideland
 b. Eisenberg / Th.
 T +49 (0) 36691 722-0
 F +49 (0) 36691 722-20

Info@Linitherm.com
 www.Linitherm.com