



CHOICE
SOLUTIONS

SOLUTIONS TO
INSULATE
BY DESIGN

PAL GK

**COHESIVE
INSULATION &
LINING ALL IN ONE!**

**THE SLIM INTERIOR
INSULATION FOR
PERFECT LIVING
COMFORT**



**MINIMUM PANEL THICKNESS FOR
MAXIMUM LIVING SPACE**

**WILL FIX DIRECTLY ONTO
VARIOUS SUB FRAMES**

**CAN BE STOPPED AND
AESTHETICALLY FACED WITH EASE**

**FULL-SURFACE, UNINTERRUPTED
THERMAL INSULATION**

INTEGRATED VAPOUR BARRIER

**NO ADDITIONAL BATTENS
REQUIRED**

PROTECTS FROM ELECTROSMOG

**PERFECT DESIGN FROM A
STRUCTURAL POINT OF VIEW**

**ENVIRONMENTALLY COMPATIBLE
MATERIAL PROPERTIES: PUR/PIR
RIGID FOAM, FREE OF
FORMALDEHYDE AND FIBERS**

POSITIVE ECOBALANCE

TESTED TO AS-3837

PUR(e)/PIR
for better insulation



PAL GK

BENEFITS FOR BUILDERS AND RENOVATORS

- TIME-SAVING AND COST REDUCTION DUE TO FEWER WORK STEPS
- EASY HANDLING AND PROCESSING
- ADDITIONAL LIVING SPACE DUE TO SLIM CONSTRUCTION
- ALUMINIUM COATING PROTECTS FROM ELECTRO SMOG
- SAFE, PERFECT DESIGN FROM A STRUCTURAL POINT OF VIEW

CHOICE SOLUTIONS' PAL GK – INSULATION UNDER THE RAFTERS WITH MANY EXTRAS.

Forget everything that you would have to take into account with conventional insulation, because Choice Solutions' insulating panels are all-inclusive:

- Outstanding insulation values with minimum panel thickness PUR/PIR rigid foam $\lambda_D = 0.024 \text{ W}/(\text{mK})$
- Prevent heat loss in winter and keep out the heat in summer.
- A vapour barrier, so that moisture doesn't have a chance.
- An ingenious edge system for absolute sealing tightness.
- **Choice Solutions' PAL series can be easily fitted to concrete tilt up.**
- Without additional battens, the panel's strength permits rafter spacing up to 87 cm.
- The interior facing of plasterboard (GK) can be stopped and painted.
- And best of all, you have our 100% guarantee: We exclusively use PUR/PIR rigid foam from our own quality-inspected production- free of formaldehyde and fibres.
- PUR/PIR rigid foam does not rot, is pressure resistant, insensitive and odourless.



CHOICE SOLUTIONS' PAL GK

Insulation core:	PUR/PIR rigid foam acc. To DIN EN 13165, material class B2, application type PUR 024 DI or PUR 024 WI, coated with aluminium film on both sides = vapour barrier
Facing:	Inside with plasterboard 9.5 mm thick (ready for stopping and painting)
Edge joints:	Thickness from 39.5 to 69.5 mm: Tongue-and-groove Pressfit joints on all sides Thickness from 89.5 mm: transverse joint with tongue-and-groove pressfit joints, longitudinal joint grooved for spring (included in delivery)
EN description:	Composite plasterboard: DIN EN 13950-39, 5/49, 5/69, 5/89, 5/ 109,5-2480-600-type A – semi-circular edge-9,5, DIN 18184, PUR – EN 13165- T2 – DS(TH)9 –CS(10Y)100 – TR40
Overall dimension:	Thickness 39.5 – 69.5 mm: 2500 mm x 620mm (= calculation measurement) (covered area is 2cm less); Thickness from 89.5 mm: 2500 x 600 mm (= calculation measurement)

Thickness mm total*	Thickness mm PUR/PIR	Thickness mm fiber reinforced facing	Pallet contents Qty.	Pallet contents m ²	TCL PUR/PIR	R-value [W/(m ² K)]
39.5	30	9.5	45	69.8	024	1.30
49.5	40	9.5	36	55.8	024	1.74
69.5	60	9.5	26	40.3	024	2.61
89.5	80	9.5	20	30.0	024	3.48
109.5	100	9.5	17	25.5	024	4.34

CHOICE SOLUTIONS' PAL 2

Insulation core:	PUR/PIR rigid foam acc. To DIN EN 13165, material B2, application type PUR 024 DI or PUR 024 WI, Coat with aluminium film on both sides = vapour barrier
Edge joints:	Tongue-and-groove- pressfit joints on all sides
EN description:	PUR – EN 13165-T2-DS(TH9) –CS(10Y)100– TR40
Overall dimension:	2500 x600mm (= calculation measurement, covered area is 2 cm less)

Thickness mm total*	Thickness mm PUR/PIR	Pallet contents Qty.	Pallet contents m ²	TCL PUR/PIR	R-value [W/(m ² K)]
40	40	50	77.5	024	1.74
60	60	33	51.2	024	2.61

CHOICE SOLUTIONS' PAL GK, thickness 49.5 mm and 69.5 mm, and **CHOICE SOLUTIONS' PAL 2** are also available with integrated battens. This permits irregular rafter heights to be compensated by means of adjusting screws and without additional battens, when fitting to an existing roof.



contact us quick for more information

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