

Polyurethane
for better insulation®
NEW! from TCL 023

Dormer renovation panel

LITEC GS

LITEC GS for the rapid energy-related renovation of existing dormers



More safety ...

- High insulation performance with minimum construction heights
- Plywood panel on the outside
- Ensured material properties (environmentally friendly, recyclable)
- Inner and outer cladding variable

... Short construction time and quick installation process...

LITEC GS dormer renovation-panels can be processed using standard woodworking tools

... PUR(E) energy saving

- Heat protection in the summer
- Thermal protection in the winter
- With highly thermally insulating PUR/PIR rigid foam core - TCL 023 / 024
- Environmentally friendly building material
- Positive eco-balance

Slim construction – high insulation values

High level of prefabrication

Individual designs

Fast installation



LITEC GS dormer renovation panel

Insulating core: PUR/PIR- rigid foam according to DIN EN 13165, building material class B2, Application type PUR 023 DAD or PUR 024 DAD, Density: approx. 33 kg/m³, clad on both sides with aluminium foil

Outer surfaces: plywood panel on the outside, 22 mm

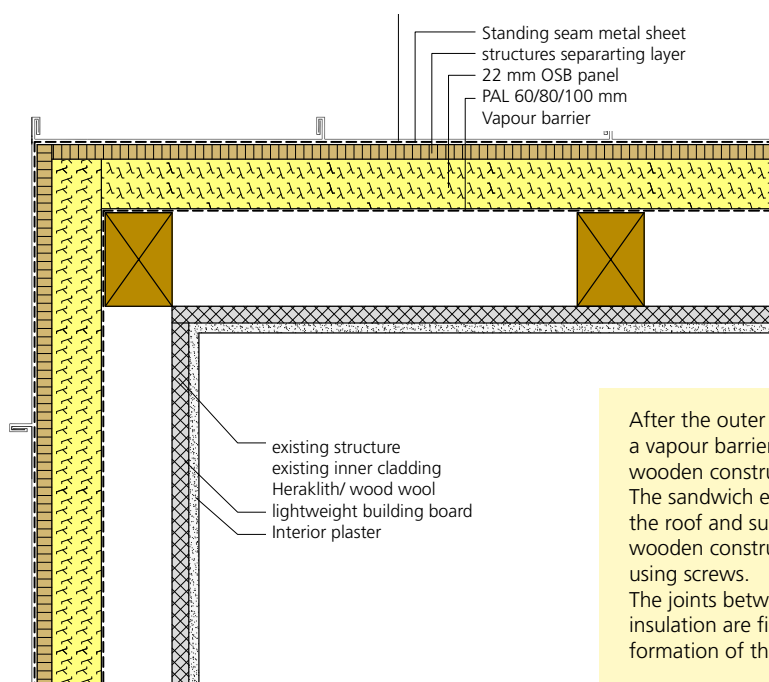
Format: Standard 2440 x 1200 mm

Thickness mm total	Thickness mm PUR/PIR	Thickness mm derived wood product panel	TCL PUR/PIR	U-value* [W/(m ² K)] Element
82	60	22	024	0.35
102	80	22	023	0.26
122	100	22	023	0.21
142	120	22	023	0.18
162	140	22	023	0.16

also available in factory-made prefabricated sizes
other thicknesses on request

Dormer renovation in existing buildings frequently presents a great problem. The aim here is to apply economical and yet individual detailed solutions. With the LITEC GS dormer renovation panel, a system solution has been developed that complies with the energy efficiency requirements, particularly in the renovation of existing buildings. Thermal bridges are prevented by the use of the sandwich element, due to the full-surface envelopment of the existing dormers with the standard elements. As the existing dormer structure therefore remains untouched, LITEC GS enables the quick, cost-effective and resident-friendly dormer renovation. The slim design is maintained.

The sandwich panels are technically based on the LITEC GBS dormer system, which has already proven itself for years in roof renovation. The properties of the insulation material include the fact that it is environmentally friendly, rot-proof, recyclable, and mould-proof.



After the outer cladding has been removed, a vapour barrier is applied to the existing wooden construction. The sandwich elements are cut to size on the roof and subsequently anchored in the wooden construction of the existing dormer using screws. The joints between the dormer and roof insulation are finally foamed to avoid the formation of thermal bridges.

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