

LITEC®
building systems

LINZMEIER
building elements

Roof construction system

LITEC DBS

Polyurethane
for better insulation®

LITEC DBS - the self-supporting, insulation roof construction system for residential, industrial and agricultural buildings and sports halls

LITEC DBS elements are tailored to the construction site and are easily assembled. This saves time and money

Slim construction – high insulation values

Individual solutions

Comfortable warmth in the winter

Cool temperatures in summer

The safe insulation...

Low construction height
High insulation performance
Suitable for all roof shapes and pitches
Large, self-supporting roofing elements

...in perfect professional quality...

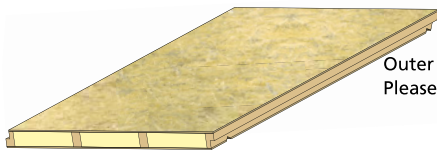
High level of prefabrication
Short construction times

... for PUR(e) saving energy

Save on heating costs
Low energy output for coolness in the summer
Insulation core made of PUR/PIR rigid foam
Positive eco-balance



LITEC DBS roof construction system



Insulation core: PUR/PIR- rigid foam according to DIN EN 13165, class E, density approx. 33 kg/m³, clad on both sides with mineral fleece

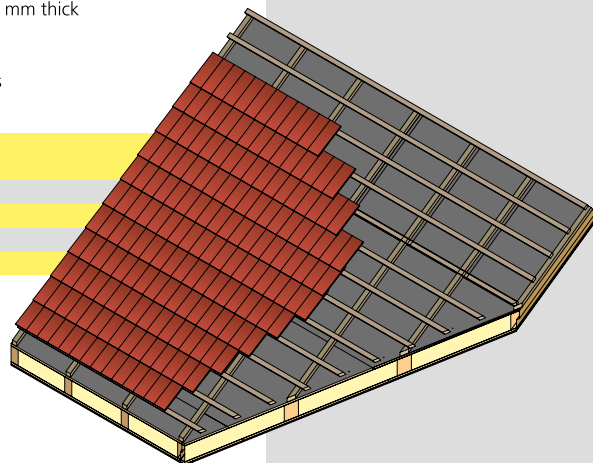
Outer surfaces: interior and exterior plywood boards, 22 mm thick

Please note: According to construction kit plan, prefabricated individual parts including wooden construction elements

Element thicknesses mm	TCL PUR/PIR
184	025
204	025
224	025
244	025

Further designs and outer surfaces available on request

Construction sketch LITEC DBS
The roofing can be made to order:
with roofing tiles or metal boards, as
a green roof...



LITEC DBS - large, self-supporting roof construction system, with PUR/PIR insulation

The LITEC DBS roof construction system is a well thought out, stable and energy-saving roofing element for residential, industrial and agricultural buildings and sports halls. It can be implemented in both new buildings and old-building renovations with a roof pitch from 0° - 90°. Large widths between the supporting points can be easily bridged. The roof can be walked on immediately after installation and covered as you wish: with roofing tiles or metal boards, as a green roof...

LITEC DBS roofing elements are pre-fabricated in the factory according to the individual needs of the customer. Between the supporting rafters the high performance insulation material PUR/PIR rigid foam provides perfect warmth and heat protection. 15 mm thick plywood boards envelop the construction from inside and outside. The elements are warp-resistant and durable. Depending on the statics and the desired U-value, the construction height is 184 - 244 mm. DBS elements are manufactured up to 13 metres long and 2.40 metres wide.



Thanks to the precise prefabrication assembly time on site is significantly reduced. The sarking membrane can be laid quickly and easily on the plywood boards. The room side vapour barrier can also be precisely laid on the hard surface; sticking and securing the overlaps is particularly safe and easy to perform.



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