LITEC®
building systems

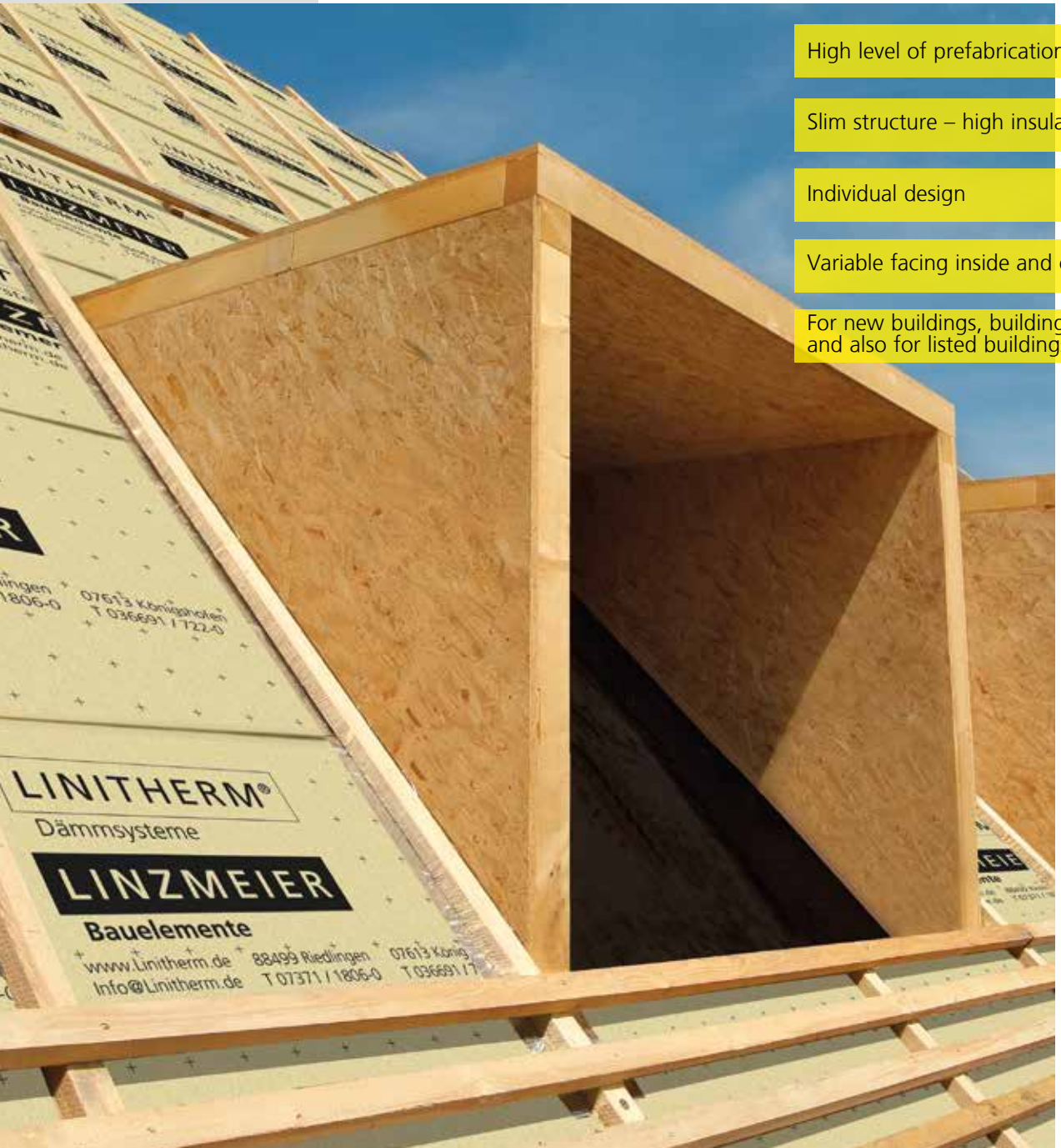
LINZMEIER
building elements

Dormer construction systems

LITEC GBS

Polyurethane
for better insulation®

With LITEC Dormer Construction Systems, you create new living space under the roof quickly and easily.



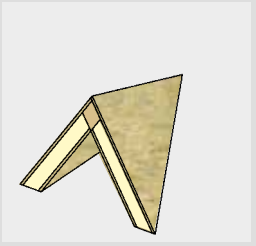
- High level of prefabrication
- Slim structure – high insulation values
- Individual design
- Variable facing inside and outside
- For new buildings, building refurbishment, and also for listed buildings

LINZMEIER
building elements

LITEC®
building systems

Shed dormer

Flat roof dormer



Triangle dormer

LITEC GBS Dormer Construction Systems combine the advantages of prefabrication with the demands of energy-conserving construction

Living space under the roof opens up many new perspectives: Here, children can have their own sphere; there is place for a workroom or even an attic apartment that can be let.
Dormers enable you to stand upright at the window – especially with low-pitched roofs – and increase the amount of available floor space.
But remember: The latest Energy Saving Ordinances require that energy-efficient and economical construction solutions are applied. Air tightness and thermal insulation must comply with the specifications.

The ideal solution: Over-rafter insulation with customized, prefabricated roof dormers. Whether in new buildings, for building refurbishment or for listed buildings, in standard modules or as prefabricated construction kits – LITEC GBS Dormer Construction Systems are easily and quickly installed.
That means reduced costs and shorter construction times.

Technology: The LITEC GBS Dormer Construction System is based on the benefits of proven PUR/PIR sandwich elements. Slim structures, high insulation values with minimum insulation thickness, guaranteed material properties (environmentally compatible, non-rotting, recyclable, mold and mildew-resistant), top-quality processing and perfect fitting accuracy.

For improved sound absorption, the elements can be supplied with an additional sound insulating layer panel on request.

Modern dormer construction system

LITEC®
building systems

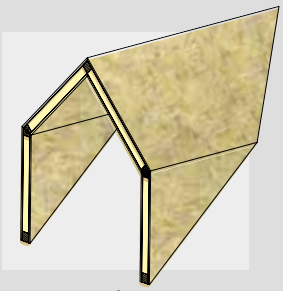
LINZMEIER
building elements

System technology with freedom of design

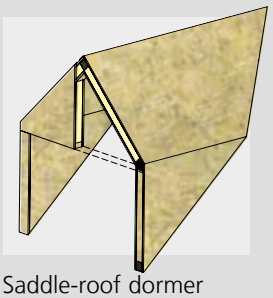
LITEC Dormer Construction Systems can be delivered in a variety of styles:
Flat roof, shed roof, saddle roof, triangle, and barrel roof.
And in various degrees of prefabrication.

What's more: Flat roof, saddle roof, and shed roof dormers can be built to suit passive houses.

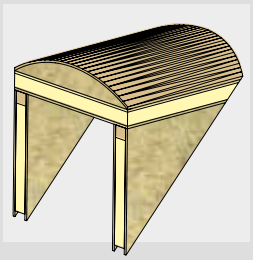
Construction kit elements are prefabricated at the factory according to customer wishes and with all the individual parts, including all wooden framing elements. Delivery includes the two sidewalls, the roof elements (quantity depends on the shape), side facing, the gable element (with saddle-roof dormers), the installation statics up to the window stop (optional), plus the mounting and sealing materials (optional). In short: A complete package with a high degree of prefabrication and variable inner and outer facing – practically without thermal bridges when combined with over-rafter insulation.



Saddle-roof dormer



Saddle-roof dormer
with gable element



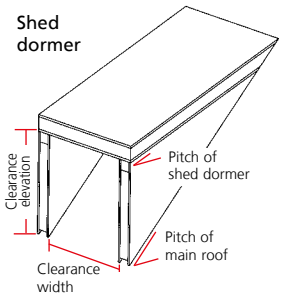
Barrel-roof dormer

for new buildings and building refurbishment

LINZMEIER **building elements**

LITEC® building systems

Shed dormer



LITEC GBS dormer system construction kit

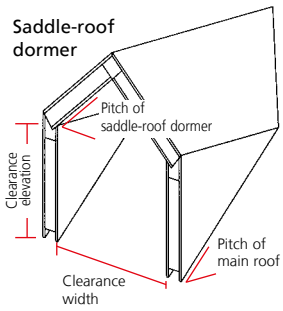
Insulation core: PUR/PIR rigid foam acc. to DIN EN 13165, class E, volumetric weight approx. 33 kg/m³; coated with mineral fleece on both sides

Facings: Inside and outside OSB/3 board acc. to DIN EN 300, Thermal conductivity: λ = 0,13 W/(m.K), B2 with certificate, thickness 22 mm

Please note: The construction kit consists of the specified prefabricated individual pieces, including wooden construction elements.

Thickness mm total	Thickness mm PUR/PIR	Thickness mm derived wood product panel	TCL PUR/PIR	U value [W/(m²K)]* element
144	100	2 x 22	026	0,23
164	120	2 x 22	025	0,19
184	140	2 x 22	025	0,16
204	160	2 x 22	025	0,15
Other thicknesses on request.				

Saddle-roof dormer



LITEC GBS H dormer system construction kit

Insulation core: PUR/PIR rigid foam acc. to DIN EN 13165, class E, volumetric weight approx. 33 kg/m³; coated with mineral fleece on both sides

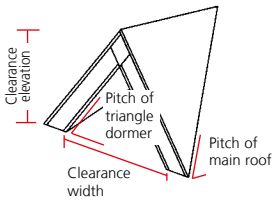
Facings: Inside and outside OSB/3 board acc. to DIN EN 300, Thermal conductivity: λ = 0,13 W/(m.K), B2 with certificate, thickness 22 mm, with integrated wood fiber material on the outside, 40 mm, for improved sound insulation

Please note: The construction kit consists of the specified prefabricated individual pieces, including wooden construction elements.

Thickness mm total	Thickness mm PUR/PIR	Thickness mm wood fiber material	Thickness mm derived wood panel	TCL PUR/PIR	U value [W/(m²K)]* element
164	80	40	2 x 22	026	0,22
184	100	40	2 x 22	026	0,19
204	120	40	2 x 22	025	0,16
Other thicknesses on request.					

* disregarding the integral wooden construction

Triangle dormer



Fax reply

Please copy, complete and fax to **+49 (0) 7371/1806-96**

To provide an offer for a LITEC dormer construction kit, we require drawings (scale at least 1:100) with information on the planned or existing roof dimensions, dormer roof overhang, front and balustrade elements (rafter position, type of thermal insulation, roof pitch, roofing etc.) or simply complete the questionnaire below. Dimensioning and replacing the main roof rafters is the job of the structural engineer.

From

Company .....

Name .....

Street .....

Postal code, City.....

Phone/Fax .....

e-Mail .....

Postal code / Building site / Snow load zone .....

Building's height above sea level .....

Rafter spacing.....

Dormer roof covering .....

Planned completion date .....

.....

.. ☐ ☐ ☐

Main roof insulati ☐ b ☐ w rafters ☐ between ☐ ters ☐ above rafters

Dormer type	Shed roof	Saddle roof	Triangular
Element thickness	144 mm 164 mm	184 mm 204 mm	
Clearance width	mm	mm	mm
Clearance height	mm	mm	mm
Main roof pitch	degrees	degrees	degrees
Dormer roof pitch	degrees	degrees	degrees
Quantity	units	units	units

If dormer width exceeds 3.00 meters: Is there a partition wall ☐ yes ☐ no

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@Linzmeier.de
www.Linzmeier.de

BE / LITEC GBS / GB / 2014-05 / SD
Subject to changes