Saddle and Shed rooflights

GRILLODUR®-saddle rooflights overview

- Self-supporting up to 6 m
- U-value glazing up to 0.9 W/m²K
- Total energy transmission up to 28 %
- Integrated smoke and heat exhaust approved acc. DIN EN 12101-2
- Permanent fall through proof according to GS-BAU-18 with test certificate no. BAU 14090
- Ideal for roof-refurbishment projects
- Low tare weight
- Extremely hailstorm-proof, shatter-resistance test according to ASTM D 3841-82 point 7.10
- High chemical resistance
- Free choice of colour

GRILLODUR®-saddle rooflights

The GRILLODUR®-saddle roof is a self-supporting, symmetrical daylight system with varying slope angles.

The sandwich construction consists of an aluminium grate system, onto which two semi-transparent fibreglass plates are placed on both sides. The low tare weight of approximately 10 kg/m² is ideally suited for renovating the roof to raise the heat insulation value without further static loading of the subconstruction.

The highest requirements for noise, sun and fire protection are met via the various fibreglass covering layers, combined with glare-free daylight, outstanding mechanical specifications and extremely high chemical resistance.

GRILLODUR®-saddle roof - interior view
## TECHNICAL DATA
### GRILLODUR®-SADDLE ROOFLIGHTS

<table>
<thead>
<tr>
<th>Angle of slope</th>
<th>a</th>
<th>30°</th>
<th>45°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal width</td>
<td>B mm</td>
<td>1700–2900</td>
<td>&gt; 2900–5400</td>
</tr>
<tr>
<td>Thickness of element</td>
<td>D mm</td>
<td>40</td>
<td>70</td>
</tr>
<tr>
<td>Nominal width dimension between axes</td>
<td>E mm</td>
<td>2000</td>
<td></td>
</tr>
<tr>
<td>Gable element thickness</td>
<td>K mm</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Profile design</td>
<td>Closed profiles/open profiles</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* = Bigger clear widths and other geometries available upon request

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### Schematic diagram GRILLODUR®-saddle rooflight

- **a**: Roof angle
- **B**: Nominal width
- **D**: Thickness of element
- **E**: Norm element dimension between axes
- **H**: Steel upstand height
- **K**: Gable element thickness
- **L**: Nominal length

The GRILLODUR®-components are manufactured plane from aluminium rectangular tubes on a 391 mm grid. The single element has a width of up to 2000 mm. A grating with narrower core profiles can be manufactured if desired for aesthetic reasons. Please consult with our technical department for implementation.

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### Plane single element

- Inclusion horizontal profile upon request

### Shed rooflight with ventilation flaps

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### Gable connection with steel upstand

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### Connection on long side steel upstand

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### PLEASE CONTACT:
JET Tageslicht & RWA GmbH · Weidehorst 28 · D-32609 Hüllhorst
Tel. +49 (0) 57 44/503-0 · Fax +49 (0) 57 44/503-40

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