Secure connection of the roof sheeting by the use of optional basement connection profiles

JET-continuous rooflight basement system type G/K overview

- Statically calculated
- Permanent secure connection of the roof sheeting to the basement by the use of the, as an extra available, OPTIMAL connection system L
- The requirements of DIN 18234-3 (version 2003-09) are fulfilled on the basement head without additional site-work
- Heat insulation made of rock wool, cut to fit the shape and dimensions of the basement, available in thicknesses of up to 100 mm (type G) for optimal thermal insulation values
- Good light yield and outstanding design due to optional RAL 9002 colour coating
- Very good light reflection, with low heat transmission, thanks to optional colour coating in RAL 9002 on type K conical frame system
- Reliable drainage of water and condensate thanks to the 8° inclination of the continuous rooflight bearing available in 6 construction heights:
  - 25 cm  40 cm
  - 45 cm  50 cm
  - 55 cm  60 cm

Advantage of the connection rail

- The assembling of the continuous rooflight can be made time-independent to the connection of the roof sheeting.

JET-VARIO-NORM continuous rooflight on JET-basement type G with OPTIMAL connection system L
**OPTIMAL connection system type L**

The optimal solution: The roof sealing can be realized time-independent from the assembling of the continuous rooflight. Ideal for example for the connection of asphalt sheeting: There is no undesirable double material on the rooflight bearing. The heat insulation is 80 mm (type G) resp. 60 mm (type K) thick. The clamped watertight seal ensures a “silicone free” sealing.

The basement connection profile with OPTIMAL-hook-in rail is also perfectly suitable for the refurbishment of defective connections.

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**Conventional roof connection**

Also simple roof connections can be realized with JET-basement types G/K. The insulation material thickness is 80 mm (type G) and 60 mm (type K).

For all JET-basements: The continuous rooflight bearing has a revolving 8° slope to the outside! In case that condensation water occurs, a secure discharge to the outside is guaranteed!
Symbolic presentation of non-self supporting basements using the example K 25

01. Rooflight head piece basement
02. Rooflight basement long side
03. Basement corner angle
04. Basement case corner
05. Basement joint connector
06. Cover for basement joint
07. Push-pull brace
08. Push-pull diagonal brace
09. Bearing
10. Head piece cross bracing
11. Cross bracing

Distance from basement joint to the next push-pull brace
Distance from head piece to first push-pull brace
Distance from push-pull brace to push-pull brace
Distance of middle of girder to middle of girder
Distance middle of girder to middle of girder

If needed beading fillers on site acc. to DIN 18234-3

Symbolic presentation of self supporting basements using the example K 50

01. Rooflight head piece basement
02. Rooflight basement long side
03. Basement corner angle
04. Basement case corner
05. Basement joint connector
06. Cover for basement joint
07. Push-pull brace
08. Push-pull diagonal brace
09. Bearing
10. Support plate
11. Spacer according statical need
The basement heights 25 cm and 40 cm are designed for the assembling on complete exchanged, bending resistant roof openings (= not self supporting). The heights 45, 50, 55 + 60 cm are predominantly used self supported. The conical basement system type K with coating in RAL 9002 ensures good light reflection with low heat transfer (see sample calculation on the back side).

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**Roof sheeting connection possibilities**

Drag strip/overhang strip on the basement. This connection is suitable for high polymer sealings up to approx. 2 mm thickness.

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Type G 25 up to 60

Type K 25 up to 60

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Sample:
Drag strip/overhang strip on the basement