

FDL-K FLAT ROOF COWL

GEBAVENT roof terminal for ventilation systems

A double-walled flat-roof cowl for 0° roof inclines, incorporating condensate drainage and an EPS-insulated support pipe.

General description

Type FDL-K comprises the cowl head within the flat-roof cowl series. The non-insulated, double-walled cowl body is paired with a support pipe featuring 30 mm EPS insulation and a flange connection.

Materials & surface

- Cowl head: aluminium-zinc coated steel sheet with powder-coated exterior.
- Support pipe: double-walled galvanised steel with EPS insulation.
- Standard colour: grey, approximately RAL 7042. Custom colours on request.



BUILT FOR EXPOSED FLAT-ROOF APPLICATIONS

RAINPROOF

Integrated condensate drainage.

RESISTANT

UV and corrosion-resistant finish.

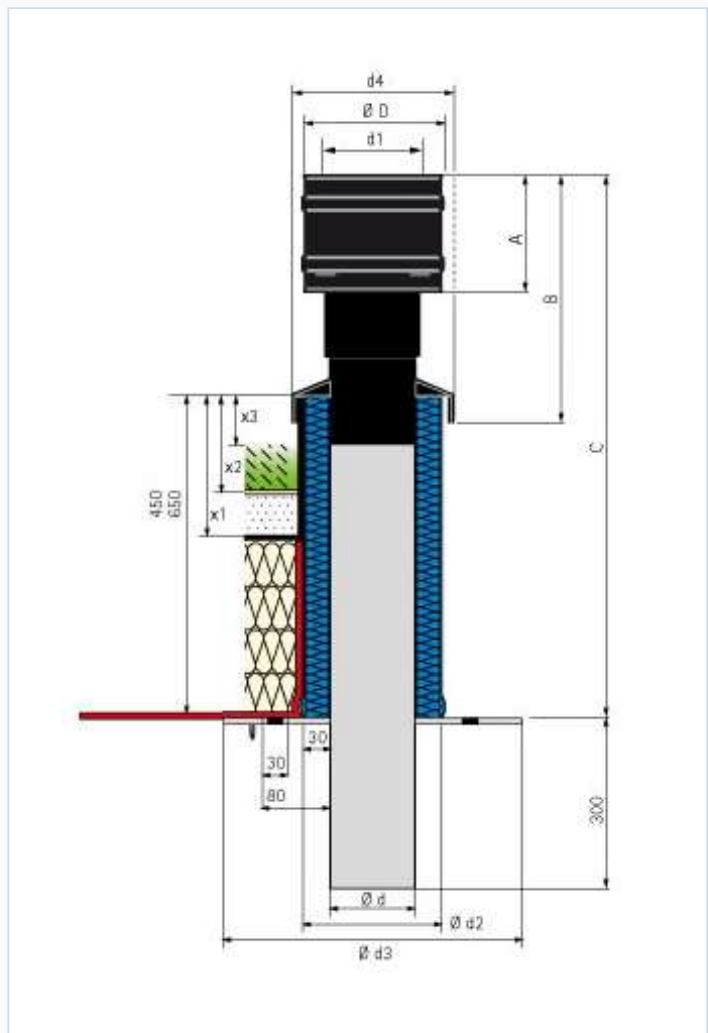
FIRE-RESISTANT

Full encapsulation - Frankfurt model.

DIMENSIONS & CONSTRUCTION

TECHNICAL DATA

Dimension reference



Overall dimensions (mm)

DN	A	B	C	Pipe
160	190	355	730	450 / 650
200	240	395	780	450 / 650

Diameter dimensions (mm)

DN	d	d1	d2	d3
160	272	158	178	220
200	320	198	218	260

Construction summary

- FDL-K cowl head with double-walled body.
- SRL support pipe with 30 mm EPS insulation.
- Flange connection for roof integration.
- Integrated condensate drainage through the cowl head.
- Optional second flange for overlap sealing with bitumen membranes.

PERFORMANCE & INSTALLATION

SPECIFICATION

Pressure loss

Reference air velocities: 4 m/s and 8 m/s

DN	4 m/s volume [m³/h]	Loss [Pa]	8 m/s volume [m³/h]	Loss [Pa]
160	290	3	579	10
200	452	4	905	12

Installation notes

COMPONENTS

FDL-K cowl head with SRL support pipe; allow a 300 mm connection below the flange.

CONDENSATE

Integrated drainage is provided through the cowl head.

VAPOUR BARRIER

Extend the vapour barrier 20 mm above the insulation.

SEALING HEIGHT

Provide at least 150 mm for roof slopes up to 5°, or at least 100 mm for steeper roofs.

OPTIONAL FLANGE

A second flange is available for overlap sealing with bitumen membranes.

PROJECT CHECK

Confirm final roof build-up, sealing method and applicable project requirements before installation.