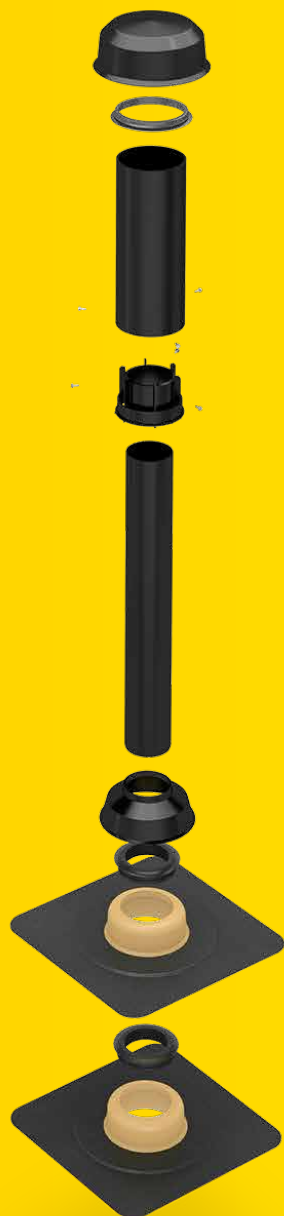


## SitaVent system vent

### Ventilation check for the flat roof.



SitaVent  
system vent

- + For room and section ventilation
- + With foamed-in connection sleeve of choice
- + Connection to all function layers



**SitaVent**  
system vent



**SitaMore**  
reinforcement plate



**SitaVent**  
base plate



**SitaVent**  
base plate insulating body



**SitaVent**  
rain cover



**SitaVent**  
protective grating



**SitaVent**  
condensation deflector



**SitaVent**  
vapour barrier cap



**SitaVent**  
pipe bend



**SitaPipe PP**  
pipe

# SitaVent system vent

## Product features at a glance:

### Product features

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|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                 | <b>For section and room ventilation of flat and flat inclined, used and unused roof areas</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Material</b>                     | <b>Base: Polyurethane; vent pipe: Polyethylene; rejctor Polyamide</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Temperature resistance, min.</b> | <b>-40 °C</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Temperature resistance, max.</b> | <b>80 °C</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Material class</b>               | <b>Euroclass E / B2 normal flammability</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Properties</b>                   | <ul style="list-style-type: none"> <li>+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.)</li> <li>+ Impact and shock resistant</li> <li>+ Durable</li> <li>+ Backflow safe up to a water column of 2 m</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Workmanship</b>                  | <p>The general rules of engineering as well as the installation examples and installation instructions of Sita Bauelemente GmbH form the basis. The installation examples are for illustration purposes only and are a general, non-binding recommendation. The design is shown in schematic form only and does not replace the necessary work, detail and installation planning by the contractor. The customer, planner, contractor, etc. is responsible for checking the suitability, completeness and dimensions for the project and adjusting or tailoring the components to suit local requirements. Neighbouring works are shown in schematic form with no guarantee of their being complete or correct. The technical specifications in the information sheets, workmanship guidelines and system permits must be adhered to.</p> |

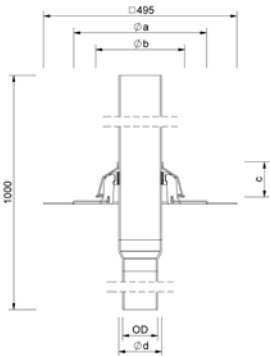
# SitaVent system vent



## Tender text

SitaVent system vent, made of polyurethane, in sizes DN 70, DN 90, DN 100, DN 125 and DN 150. With foamed-in connection sleeve of choice (495 mm x 495 mm) to suit the roofing membrane. Complete, including seven-lip sealing ring, lubricant, long PE connection pipe, polyamide rain deflector and rain cover, supply and install to professional standards.

## Technical drawing



| DN  | OD* | a<br>(mm) | b<br>(mm) | c<br>(mm) | d<br>(mm) | Article number |
|-----|-----|-----------|-----------|-----------|-----------|----------------|
| 70  | 75  | 340       | 227       | 90        | 110       | 17 42 xx       |
| 90  | 90  |           |           |           |           | 17 43 xx       |
| 100 | 110 |           |           |           |           | 17 45 xx       |
| 125 | 125 | 376       | 278       | 93        | 160       | 17 46 xx       |
| 150 | 160 |           |           |           |           | 17 49 xx       |

\* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

# SitaMore

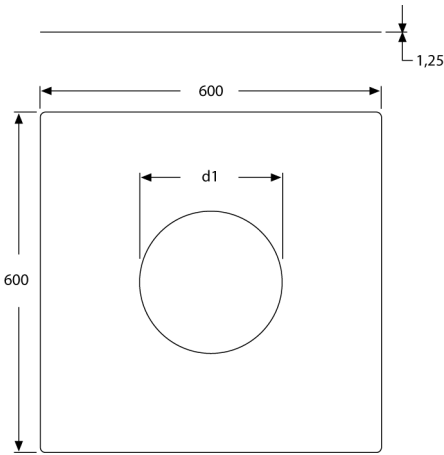
## Reinforcement plate



### Tender text

SitaMore reinforcement plate, made of galvanised sheet steel, to reinforce small penetrations in the trapezoidal steel sheet, for SitaDSS Profi, SitaStandard, SitaTrendy, SitaTrendy screw-on flange, SitaVent system vent, SitaCompact, SitaMulti and SitaDSS, supply and install to professional standards.

### Technical drawing



| Compatibility                                                                                                                 | d1 (mm) | Article number |
|-------------------------------------------------------------------------------------------------------------------------------|---------|----------------|
| SitaStandard, SitaTrendy, SitaTrendy screw-on flange, SitaMulti, SitaDSS Profi, SitaDSS Multi and SitaVent system vent DN 150 | 250     | 10 90 00       |
| SitaVent system vent DN100, SitaCompact                                                                                       | 152     | 12 90 10       |

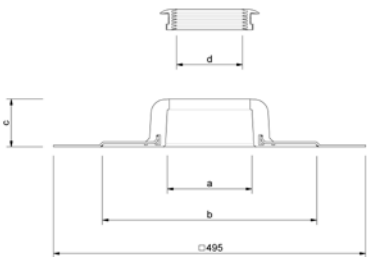
# SitaVent base plate



## Tender text

SitaVent base plate, made of polyurethane, in sizes DN 100 or DN 150, with foamed-in connection sleeve of choice (495 mm x 495 mm) to suit the roofing membrane. Complete including seven-lip sealing ring and lubrication, supply and install to professional standards.

## Technical drawing



| DN  | a<br>(mm) | b<br>(mm) | c<br>(mm) | d<br>(mm) | Article number |
|-----|-----------|-----------|-----------|-----------|----------------|
| 100 | 134       | 340       | 76        | 105       | 17 54 xx       |
| 150 | 190       | 376       | 80        | 155       | 17 58 xx       |

xx = Article end numbers for connection sleeve of choice

# SitaVent

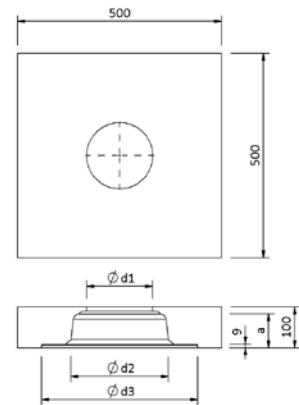
## base plate insulating body



### Tender text

SitaVent base plate insulating body, made of polyurethane with aluminium cover layers, in size 500 mm x 500 mm x 100 mm, thermal conductivity  $\lambda = 0.023 \text{ W/mK}$ , compressive strength 120 kPa, to aid installation and for thermal insulation to prevent thermal bridges, supply and install to professional standards.

### Technical drawing



| DN  | a<br>(mm) | d1<br>(mm) | d2<br>(mm) | d3<br>(mm) | Article number |
|-----|-----------|------------|------------|------------|----------------|
| 100 | 76        | 112        | 214        | 349        | 17 54 98       |
| 150 | 83        | 162        | 239        | 382        | 17 58 98       |

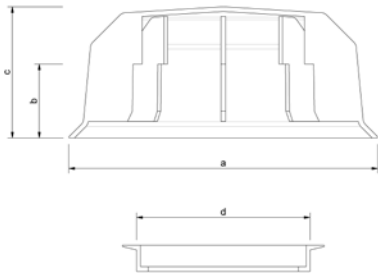
# SitaVent rain cover



## Tender text

SitaVent rain cover, made of polyamide, for the SitaVent system vent and SitaVent refurbishment vent in sizes DN 100 or DN 150. Prevents the ingress of rain and snow. Including EPDM fastening ring, supply and install to professional standards.

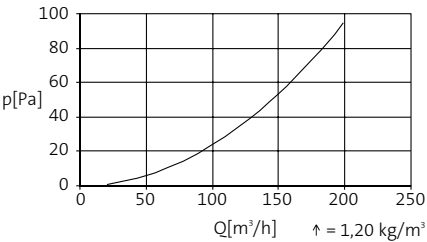
## Technical drawing



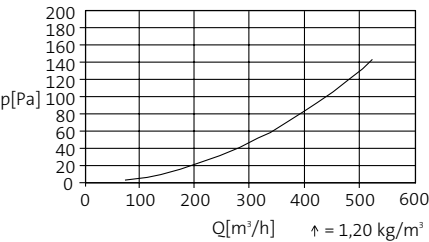
| DN  | a<br>(mm) | b<br>(mm) | c<br>(mm) | d<br>(mm) | Article number |
|-----|-----------|-----------|-----------|-----------|----------------|
| 100 | 196       | 47        | 83        | 110       | 17 90 62       |
| 150 | 267       | 59        | 110       | 160       | 17 90 66       |

## Pressure loss characteristic curve

SitaVent system vent DN 100



SitaVent system vent DN 150



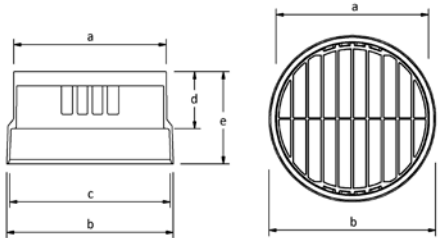
# SitaVent protective grating



## Tender text

SitaVent protective grating, made of polyamide, for the SitaVent system vent and SitaVent refurbishment vent in sizes DN 100 or DN 150, prevents the ingress of foreign bodies, including EPDM fastening ring, supply and install to professional standards.

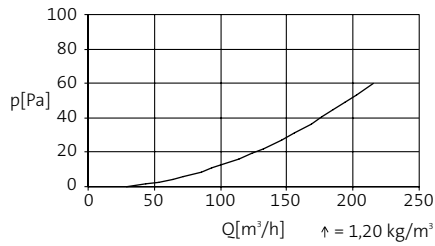
## Technical drawing



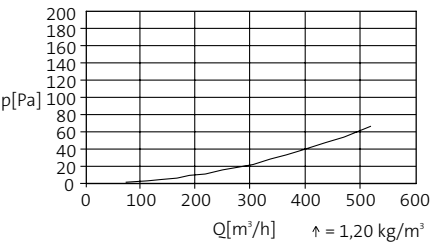
| DN  | a (mm) | b (mm) | c (mm) | d (mm) | e (mm) | Article number |
|-----|--------|--------|--------|--------|--------|----------------|
| 100 | 110    | 123    | 117    | 59     | 99     | 17 90 64       |
| 150 | 160    | 175    | 169    | 60     | 97     | 17 90 68       |

## Pressure loss characteristic curve

SitaVent system vent DN 100



SitaVent system vent DN 150



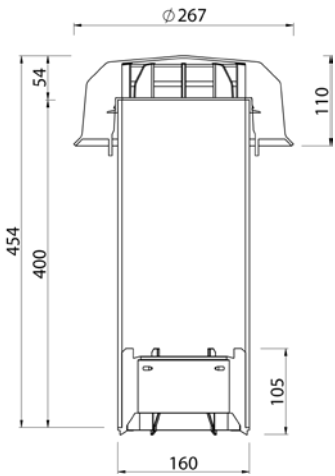
# SitaVent condensation deflector



### Tender text

SitaVent condensation deflector for SitaVent system vent DN 70, DN 90, DN 100 and SitaVent refurbishment vent DN 63, DN 75, DN 90, DN 110, to divert condensation water from ventilation lines onto the roofing membrane level, consisting of an adapter for condensation deflector pipe, a condensation deflector pipe, a rain cover and 6 installation screws, supply and install to professional standards.

### Technical drawing



| Article number |
|----------------|
| 17 12 00       |

# SitaVent

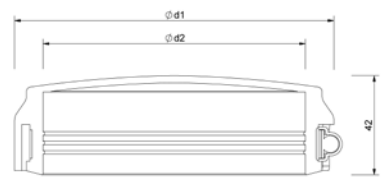
## vapour barrier cap



### Tender text

SitaVent vapour barrier cap DN 100 or DN 150 made of EPDM with screw fixing, for the vapour-tight and waterproof closure of the SitaVent pipe fairlead, the cavity of the required lead-through elements to be punched out on site acc. to installation instructions, supply and install to professional standards.

### Technical drawing



| DN  | d1<br>(mm) | d2<br>(mm) | Article number |
|-----|------------|------------|----------------|
| 100 | 135        | 111        | 17 10 00       |
| 150 | 185        | 161        | 17 11 00       |

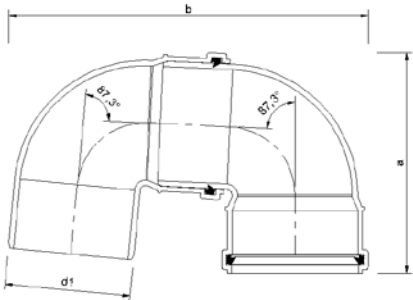
# SitaVent pipe bend



## Tender text

SitaVent 2 x 87.3° pipe bend, made of polypropylene, in size DN 100 and DN 150, for the conduction of various media, supply and install to professional standards.

## Technical drawing



| DN  | a<br>(mm) | b<br>(mm) | d1<br>(mm) | Article number |
|-----|-----------|-----------|------------|----------------|
| 100 | 194       | 315       | 110        | 17 90 00 11    |
| 150 | 260       | 427       | 160        | 17 90 00 16    |

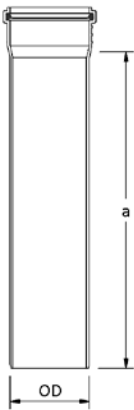
# SitaPipe PP pipe



### Tender text

SitaVent sleeve pipe, made of polyethylene, in sizes DN 100 and DN 150, length 1000 mm, for extension of the SitaVent system vent up to 860 mm, with sealing ring, supply and install to professional standards.

### Technical drawing

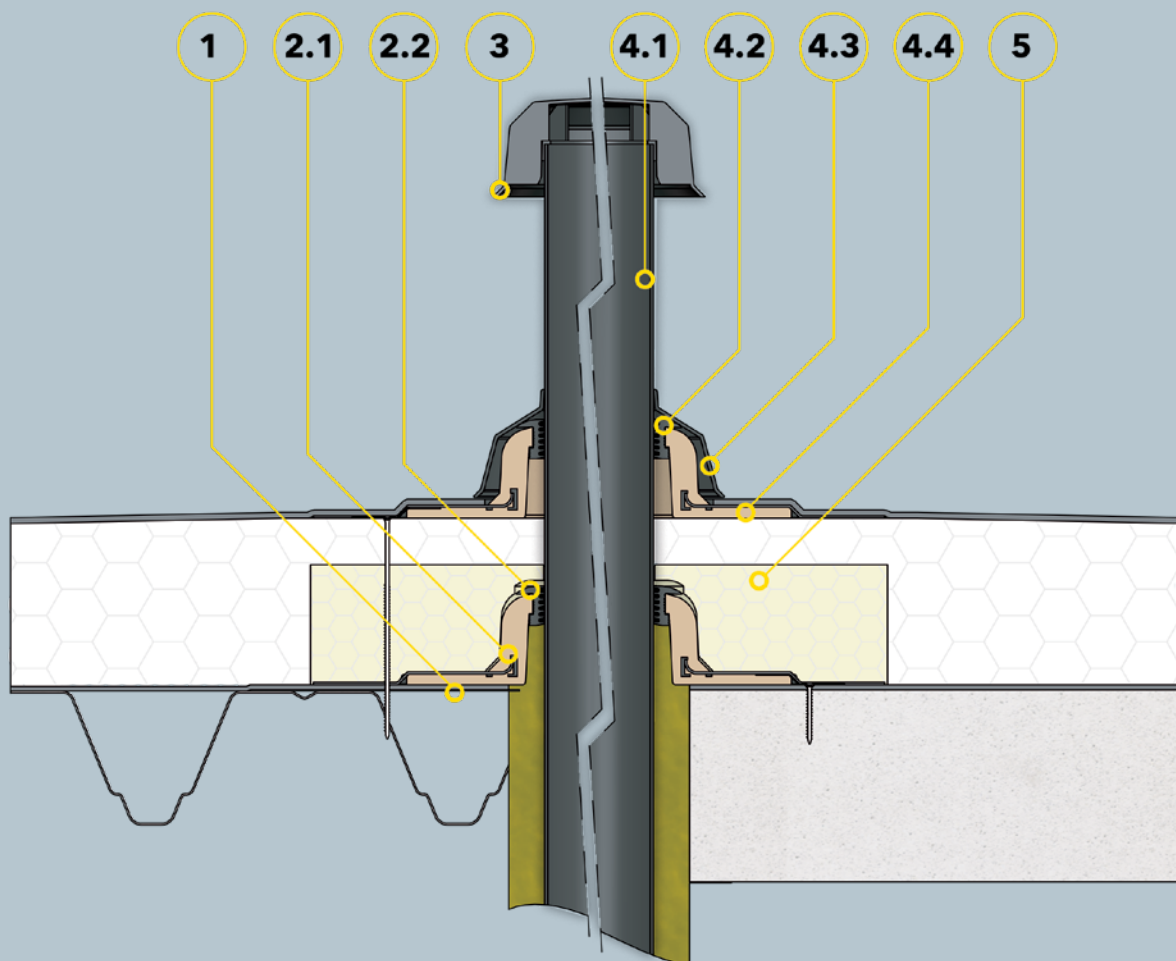


| DN  | OD* | a<br>(mm) | Article number |
|-----|-----|-----------|----------------|
| 100 | 110 | 1000      | 60 00 11 10    |
| 150 | 160 | 1000      | 60 00 16 10    |

\* OD = Outer diameter (mm)

# SitaVent system vent

SitaVent system vent with SitaVent rain cover in a non-ventilated roof structure



SitaVent  
system vent

## Components

**1** SitaMore reinforcement plate

**SitaVent base plate consisting of:**

- 2.1** Base plate
- 2.2** Sealing ring

**3** SitaVent rain cover

**SitaVent system vent consisting of:**

- 4.1** Connection pipe
- 4.2** Sealing ring
- 4.3** Rain deflector
- 4.4** Base plate

**5** SitaVent base plate insulating body

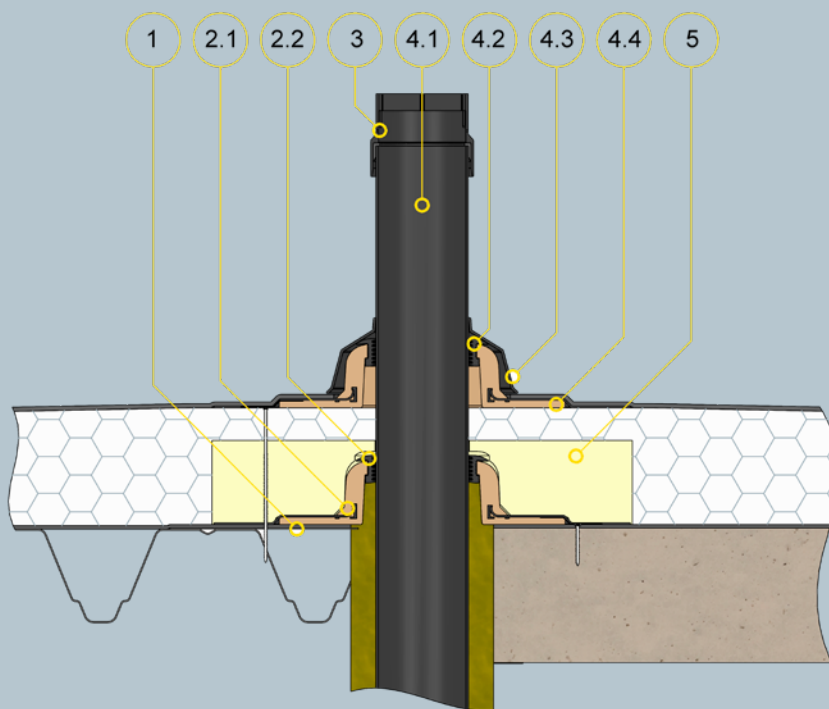
## Roof structure

**Non-ventilated roof structure to the general rules of engineering with:**

- + Waterproof membrane
- + Thermal insulation
- + Vapour barrier
- + Substructure

# SitaVent system vent

SitaVent system vent with SitaVent protective grating in a non-ventilated roof structure



SitaVent  
system vent

## Components

**1** SitaMore reinforcement plate

### SitaVent base plate consisting of:

- 2.1** Base plate
- 2.2** Sealing ring

**3** SitaVent protective grating

### SitaVent system vent consisting of:

- 4.1** Connection pipe
- 4.2** Sealing ring
- 4.3** Rain deflector
- 4.4** Base plate

**5** SitaVent base plate insulating body

## Roof structure

### Non-ventilated roof structure to the general rules of engineering with:

- + Waterproof membrane
- + Thermal insulation
- + Vapour barrier
- + Substructure