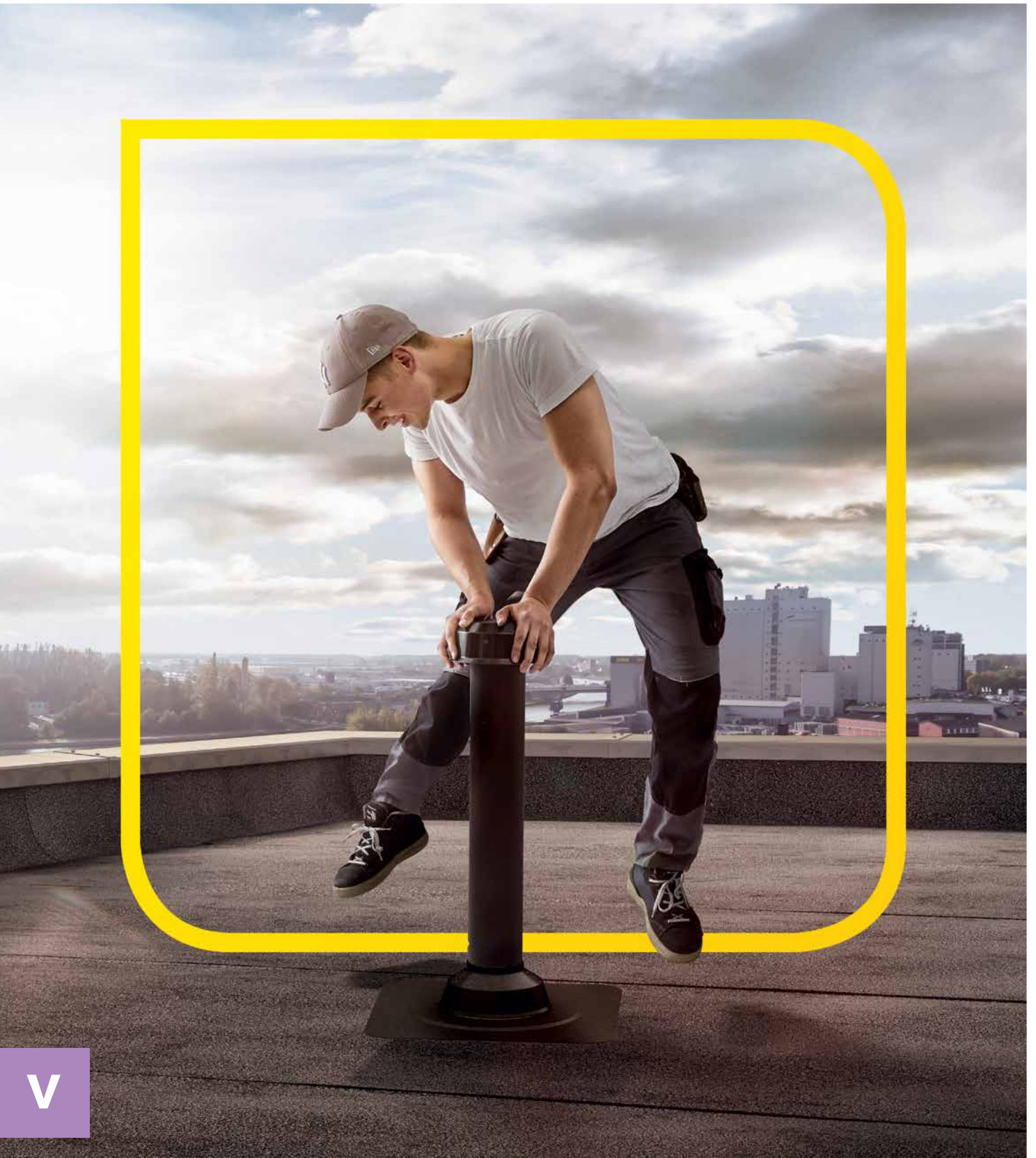


Sitaleicht.
**Ventilation and
pipe fairlead.**



V

leicht entwässern.



for ventilation and pipe fairlead:

Your building needs ventilation!

A well coordinated system is required to ensure your building can breathe in and out. Our ventilation pipes are integral and provide a perfect connection. We supply you with a comprehensive aeration solution. As your partner for ventilation components, Sita will supply the components you need – whether it is for room, section or cold roof ventilation. Durable, sealed material helps you achieve simple, solid vent solutions from Sita – for a single or dual skin roof.

1

Why ventilation and pipe fairlead?

06 The principle of ventilation.

2

Product**08 Decision matrix** Regulations**10 SitaVent system vent**

12 Product details

23 Installation examples

**25 SitaVent refurbishment vent**

27 Product details

37 Installation examples

**38 SitaVent cold roof vent**

40 Product details

42 Installation examples

**43 SitaVent Fireguard®**

45 Product details

50 Installation examples

**51 SitaVent pipe fairlead**

53 Product details

59 Installation examples

**60 SitaFireguard® pipe lead-through**

62 Product details

65 Installation examples

**66 SitaVent Revision**

68 Product details

71 Installation examples



74 Sita calculation service

75 Connecting sleeves

3

Sitaleicht

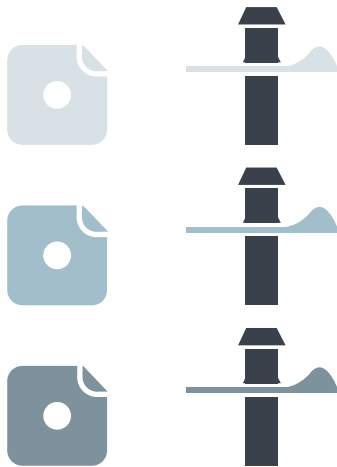
77 Sita product range

78 Sita contacts

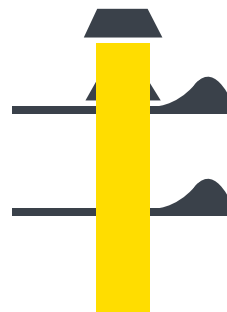
For every application. For flawless venting.

Sita is an air creator. Our ventilation system consists of precisely coordinated components – for room, duct, and cold roof ventilation. Sita's all-round range supports your projects with highly durable materials and easy sealing and installation. This benefits all rooms in your building – because there are plenty of reasons for ventilation.

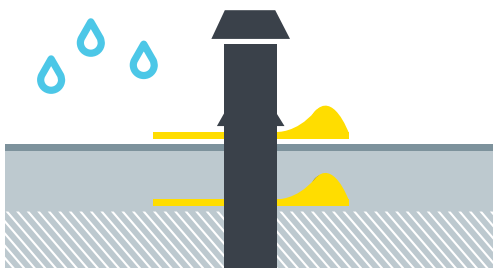
Desired connection sleeve Fits any roofing membrane



Roof penetration with a continuous pipe



Water- and vapor-tight connection



Reduces water and steam penetration

Condensation-resistant connection



Reduces condensation penetration

**Competent and compatible:
we work hand in hand with
solutions from Sita.**

Sarah Messner
ROOFER

Developed for partners: compatible ventilation solutions from Sita.

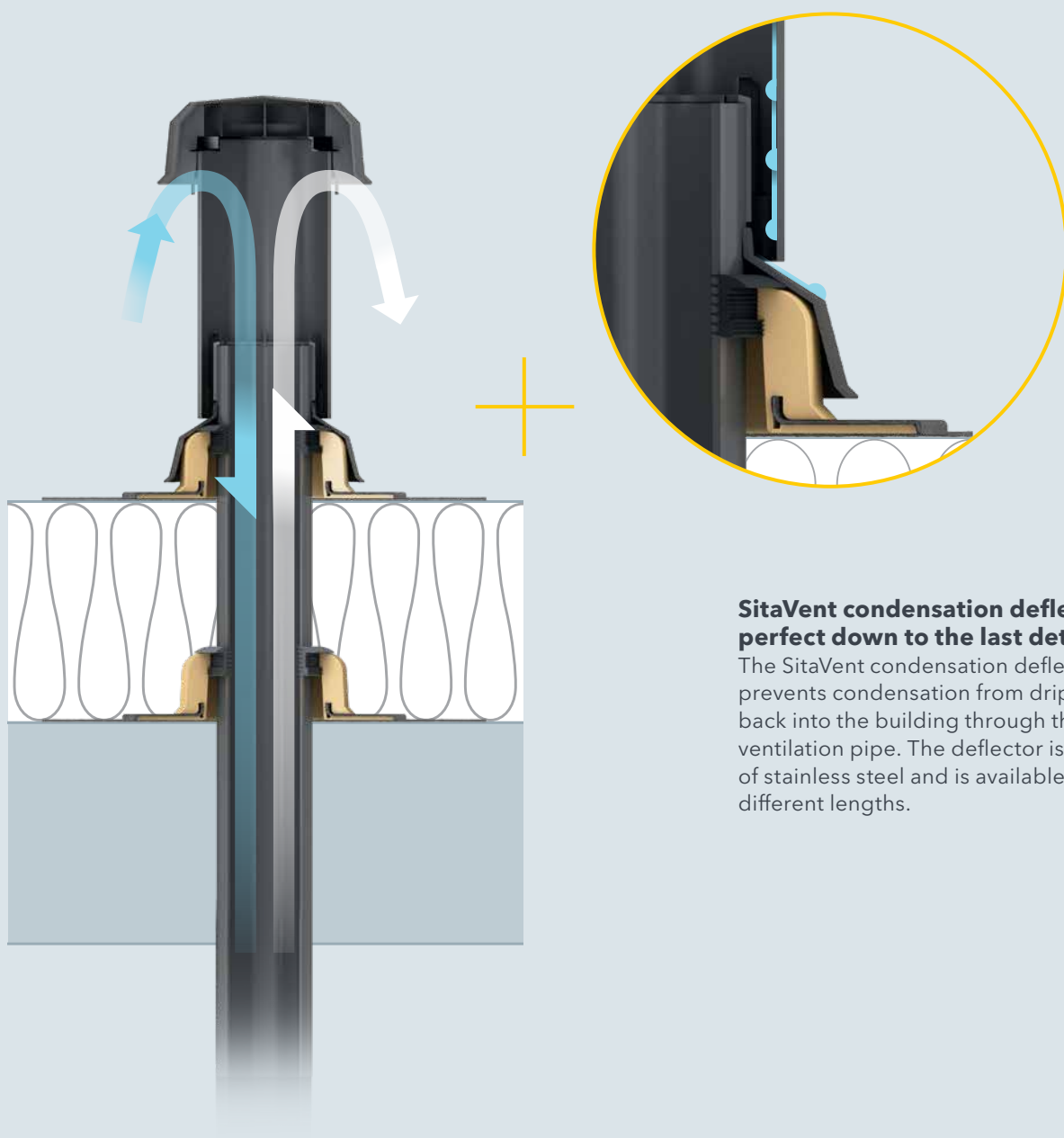
Sita is a connector. The advantages of Sita solutions in the ventilation sector benefit both plumbing specialists and roofers: base plates tailored to the requirements of the building enable practical and vapor-tight component connections. Sita offers a seamless pipe solution that provides an optimal, vapor-tight solution for pipe and cable connections that penetrate roofs.

DIN standards and regulations on page 8.

The principle of ventilation and pipe penetration.

V

A SitaVent system ventilator with condensation deflector
Installed in a non-ventilated roof structure

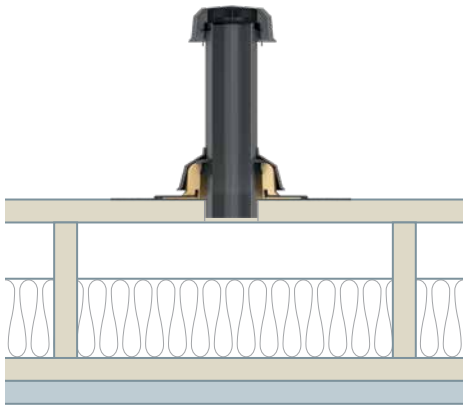


SitaVent condensation deflector: perfect down to the last detail.

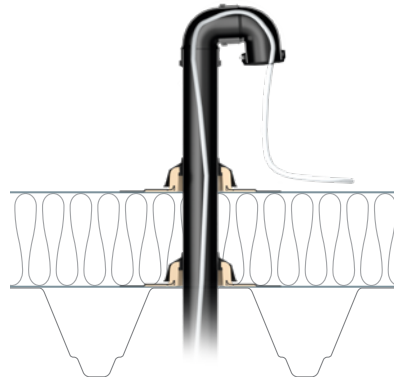
The SitaVent condensation deflector prevents condensation from dripping back into the building through the ventilation pipe. The deflector is made of stainless steel and is available in two different lengths.

The best ventilation technology. SitaVent solutions are available for room, duct, and cold roof ventilation. Together with a foam-filled connection sleeve of your choice, this allows you to connect to all functional layers. Sita also offers solutions for optimal cable and pipe routing.

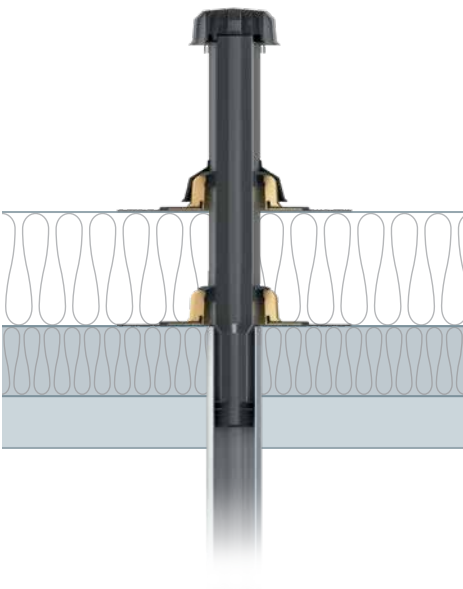
B SitaVent cold roof vent
Built into a ventilated roof structure



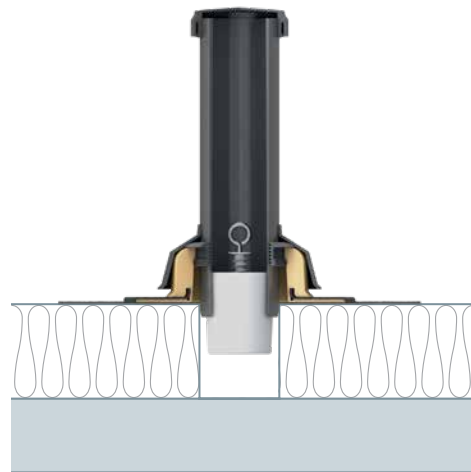
C SitaVent pipe lead-through
Built into a non-ventilated roof structure



D SitaVent refurbishment vent
For the renovation of an existing ventilation duct



E SitaVent Revision
For regular monitoring of moisture in roof insulation



An easy decision.

Matrix

Type of drainage	Room and duct ventilation	cold roof vent	Foam-filled custom connection sleeve
Ventilation			
Refurbishment , ventilation			
Cold roof vent			
Fire protection, ventilation			
Pipe lead-through			
Fire protection, pipe lead-through			
Revision			

Regulations and standards

The following standards and regulations, among others, must be taken into consideration when planning and installing flat roof drainage systems.

DIN EN 12056-3

Gravity drainage systems inside buildings

DIN EN 752

Drain and sewer systems outside buildings

DIN 1986-100

Drainage systems for buildings and properties

SITA DECISION MATRIX

Multifunctional combinable	Continuous fan duct	Suitable for renovation	Material properties	Matrix
			Polyamide, polyethylene	
			Polyamide, polyethylene	
			Polyamide, polyethylene	
			Polyamide, polyethylene	
			Polyamide, polyethylene	
			Polyamide, polyethylene, stainless steel	
			Polyamide, polyethylene	

DIN 18531-1 to 5
Waterproofing membranes

DIN EN 1253-2
Roof outlets and floor drains without drain trap

DIN 18234
Fire protection for large roof areas

LAR Guideline
Fire protection requirements for pipe systems

ZVSHK Plumbing Handbook
Pipeline construction

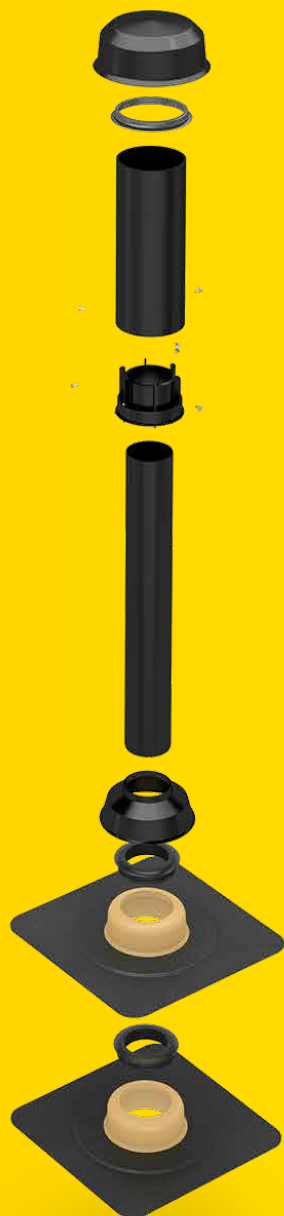
DDH regulation
Regulations for roofs with waterproofing membranes

FLL Guideline
For planning, building and maintaining roof greenings

Industrial Construction Guideline
Guideline for fire protection in industrial buildings

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

Applications	For section and room ventilation of flat and flat inclined, used and unused roof areas
Material	Base: Polyurethane; vent pipe: Polyethylene; rejctor Polyamide
Temperature resistance, min.	-40 °C
Temperature resistance, max.	80 °C
Material class	Euroclass E / B2 normal flammability
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable + Backflow safe up to a water column of 2 m
Workmanship	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.

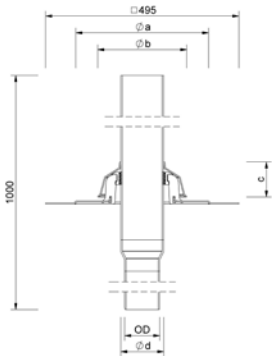
SitaVent system vent



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 (mm)	b (mm)	c (mm)	d (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

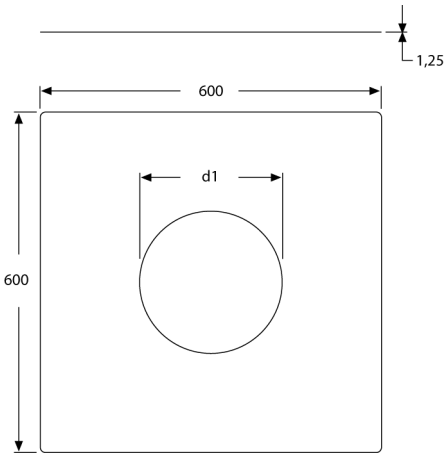
Reinforcement plate



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

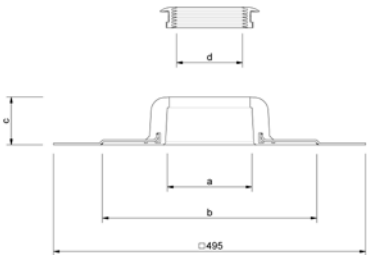
SitaVent base plate



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 (mm)	b (mm)	c (mm)	d (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

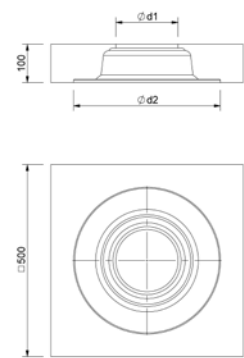
base plate insulating body



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 (mm)	d1 (mm)	d2 (mm)	d3 (mm)	Article number
100	76	112	214	349	17 54 98
150	83	162	239	382	17 58 98

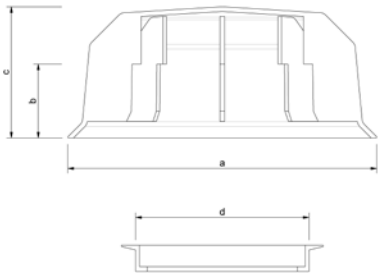
SitaVent rain cover



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.

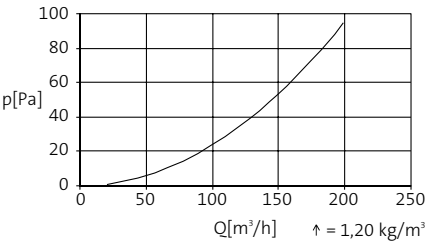
Technical drawing



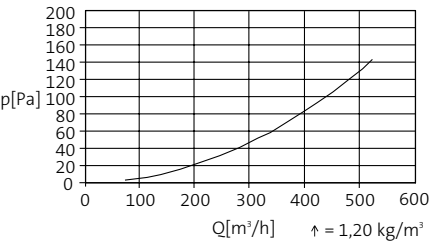
DN	a (mm)	b (mm)	c (mm)	d (mm)	Article number
100	196	47	83	110	17 90 62
150	267	59	110	160	17 90 66

Pressure loss characteristic curve

SitaVent system vent DN 100



SitaVent system vent DN 150



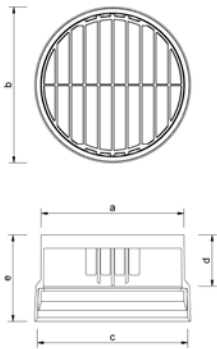
SitaVent protective grating



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.

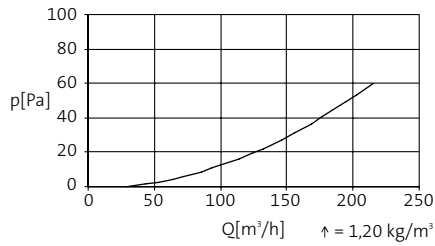
Technical drawing



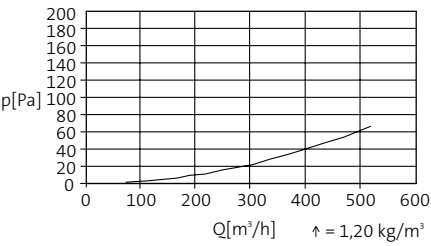
DN	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Article number
100	110	123	117	59	99	17 90 64
150	160	175	169	60	97	17 90 68

Pressure loss characteristic curve

SitaVent system vent DN 100



SitaVent system vent DN 150



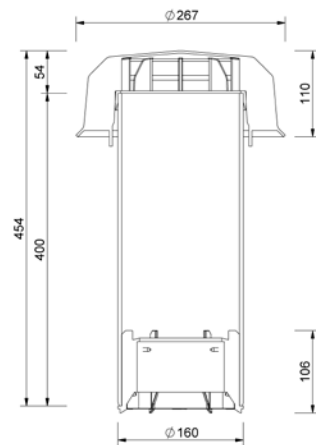
SitaVent condensation deflector



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

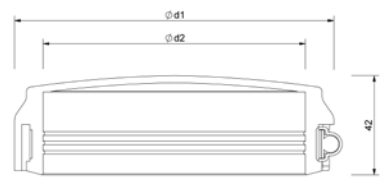
vapour barrier cap



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 (mm)	d2 (mm)	Article number
100	135	111	17 10 00
150	185	161	17 11 00

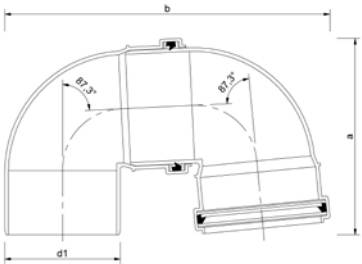
SitaVent pipe bend



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 (mm)	b (mm)	d1 (mm)	Article number
100	194	315	110	17 90 00 11
150	260	427	160	17 90 00 16

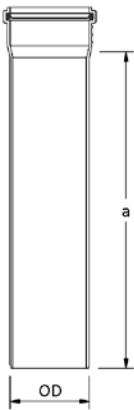
SitaPipe PP pipe



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

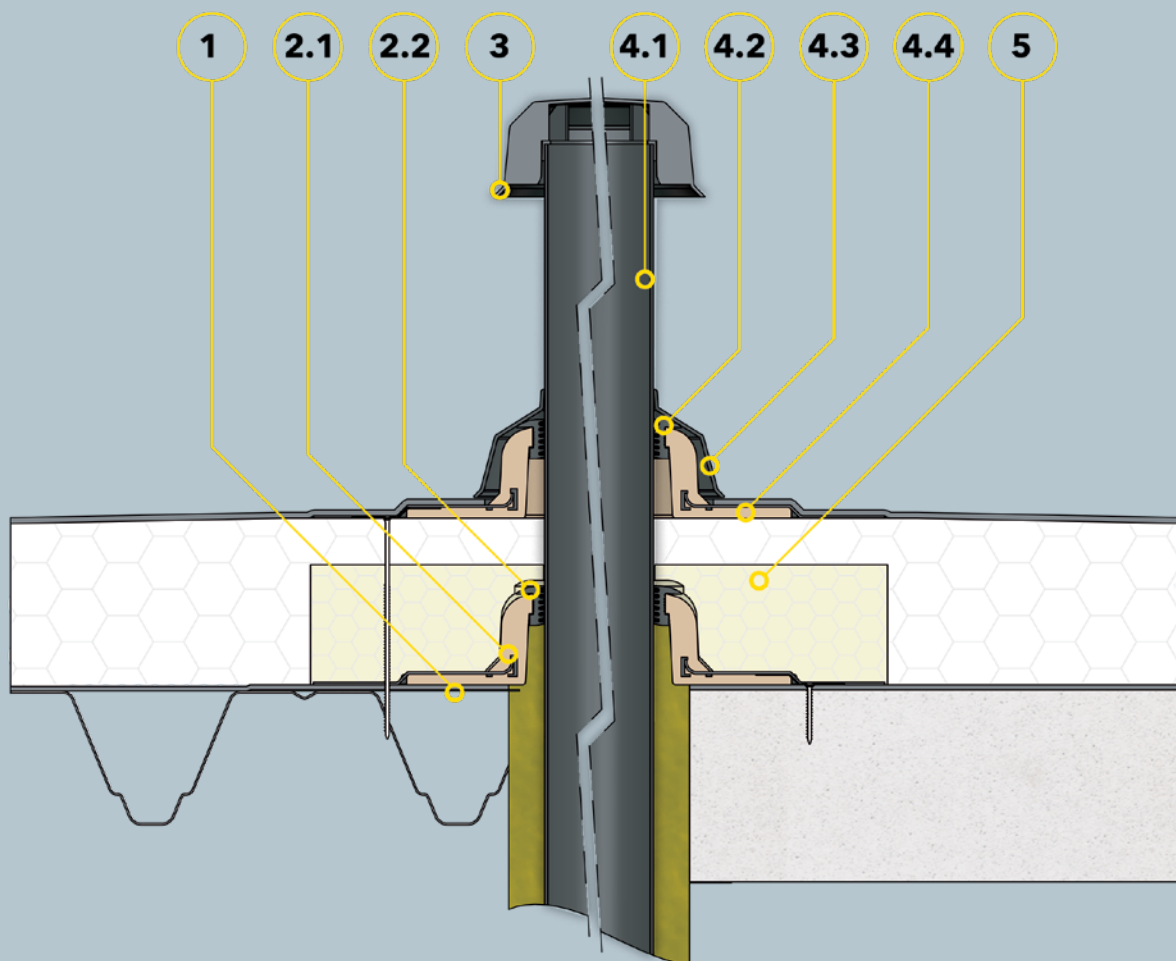


DN	OD*	a (mm)	Article number
100	110	1000	60 00 11 10
150	160	1000	60 00 16 10

* 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

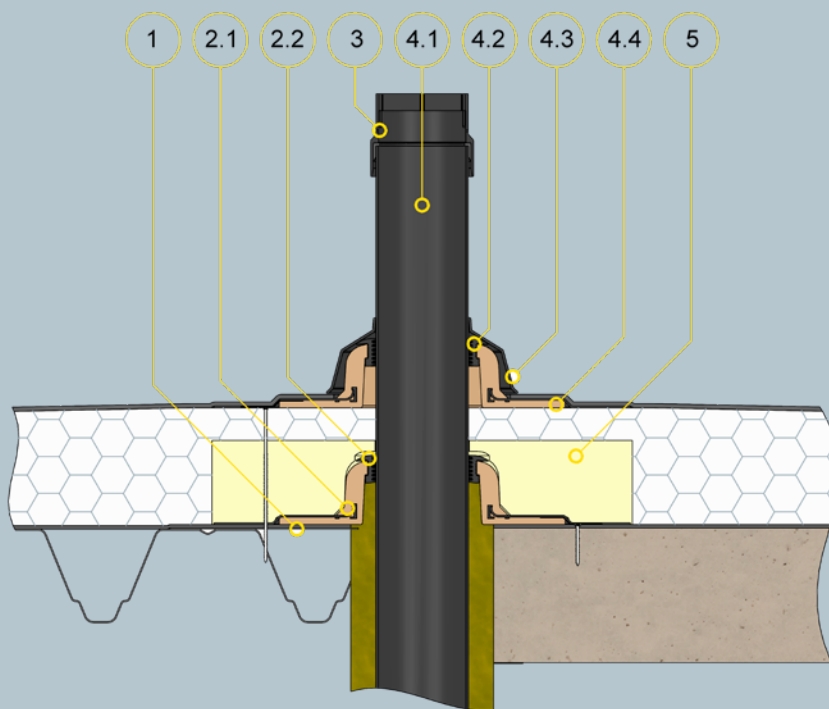
Roof structure

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

SitaVent refurbishment vent

Maximum safety. With multi-lip seal.



- + For room and section ventilation
- + With foamed-in connection sleeve of choice
- + Connection to all function layers
- + For pipe diameters of 68 mm to 205 mm



SitaVent refurbishment vent

Product features at a glance:

Product features

Applications	For section and room ventilation and for refurbishment of flat and slightly pitched, used and unused roof surfaces
Material	Base plate: Polyurethane, vent pipe: Polyethylene, rain deflector: Polyamide
Temperature resistance, min.	-20 °C
Temperature resistance, max.	80 °C
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable + Backflow safe up to a water column of 2 m
Workmanship	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.

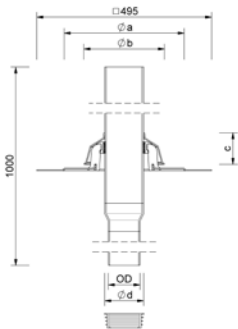
SitaVent refurbishment vent



Tender text

SitaVent refurbishment vent, made of polyurethane, thermally insulated, for the refurbishment of vent pipes with an internal diameter of 68 mm - 205 mm, with foamed-in connection sleeve of choice for a homogeneous connection to the roofing membrane. Complete, including 1,000 mm PE pipe, lubricant, and seal for backflow protection, supply and install to professional standards.

Technical drawing

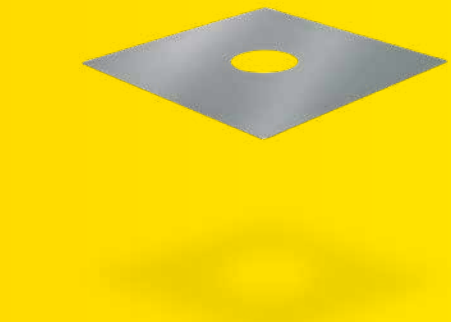


DN	OD*	Opening/Core borehole (mm)	a (mm)	b (mm)	c (mm)	d (mm)	Article number
63	63	170	340	227	90	110	17 30 xx
75	75						17 31 xx
90	90						17 32 xx
110	110						17 33 xx
125	125	220	376	278	93	160	17 34 xx
160	160						17 35 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

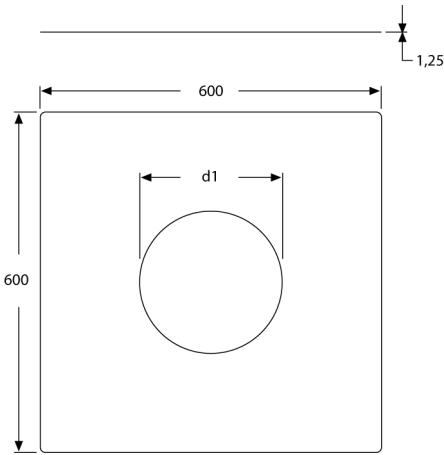
SitaMore reinforcement plate



Tender text

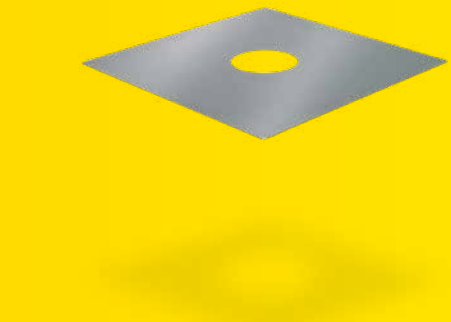
SitaMore reinforcement plate, made of galvanised sheet steel, to reinforce small penetrations in the trapezoidal steel sheet, for SitaDSS Profi, SitaStandard, SitaTrendy, SitaTrendy screw-on flange, SitaVent system vent, SitaCompact, SitaMulti and SitaDSS, supply and install to professional standards.

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 DN 100, SitaCompact	152	12 90 10

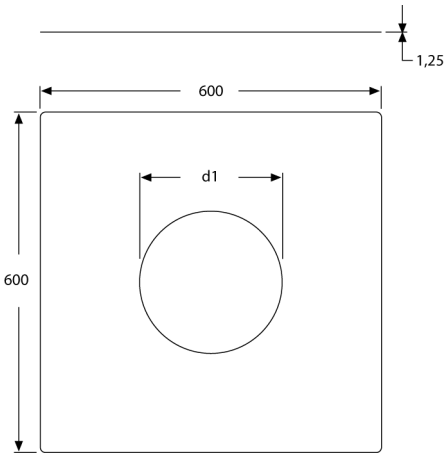
SitaMore reinforcement plate



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

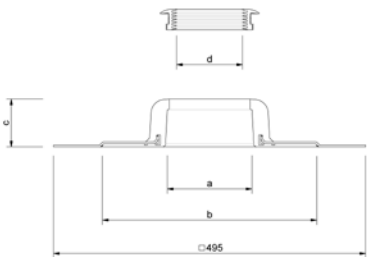
SitaVent base plate



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 (mm)	b (mm)	c (mm)	d (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

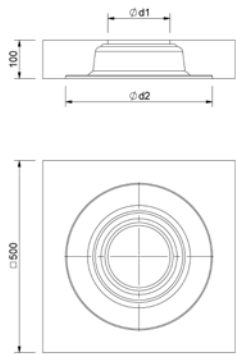
base plate insulating body



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 (mm)	d1 (mm)	d2 (mm)	d3 (mm)	Article number
100	76	112	214	349	17 54 98
150	83	162	239	382	17 58 98

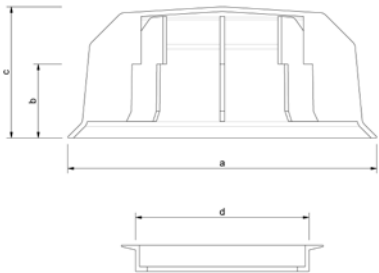
SitaVent rain cover



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.

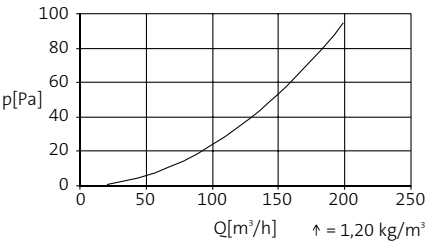
Technical drawing



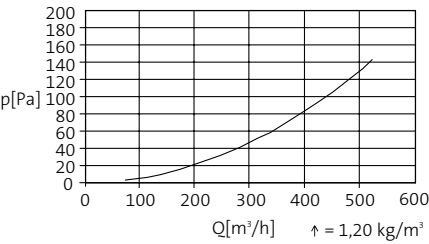
DN	a (mm)	b (mm)	c (mm)	Article number
100	196	47	83	17 90 62
150	267	59	110	17 90 66

Pressure loss characteristic curve

SitaVent DN 100



SitaVent system vent DN 150



SitaVent

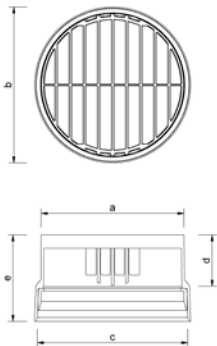
Protective grating



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.

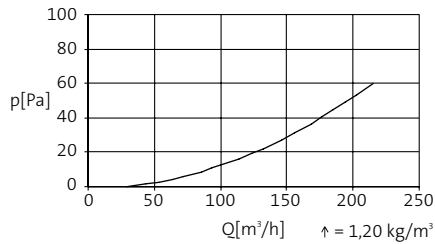
Technical drawing



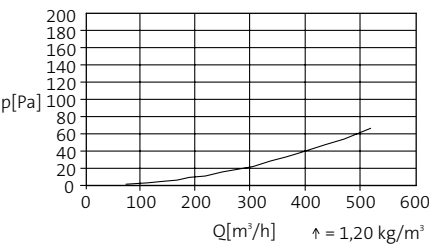
DN	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Article number
100	110	123	117	59	99	17 90 64
150	160	175	169	60	97	17 90 68

Pressure loss characteristic curve

SitaVent system vent DN 100



SitaVent system vent DN 150



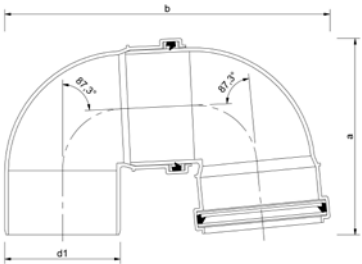
SitaVent pipe bend



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 (mm)	b (mm)	d1 (mm)	Article number
100	194	315	110	17 90 00 11
150	260	427	160	17 90 00 16

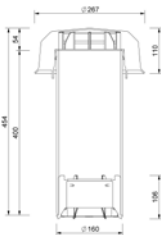
SitaVent condensation deflector



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
refurbishment vent

SitaVent

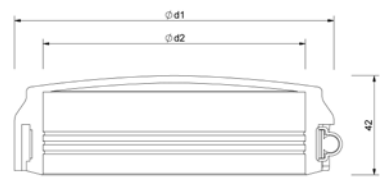
vapour barrier cap



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.

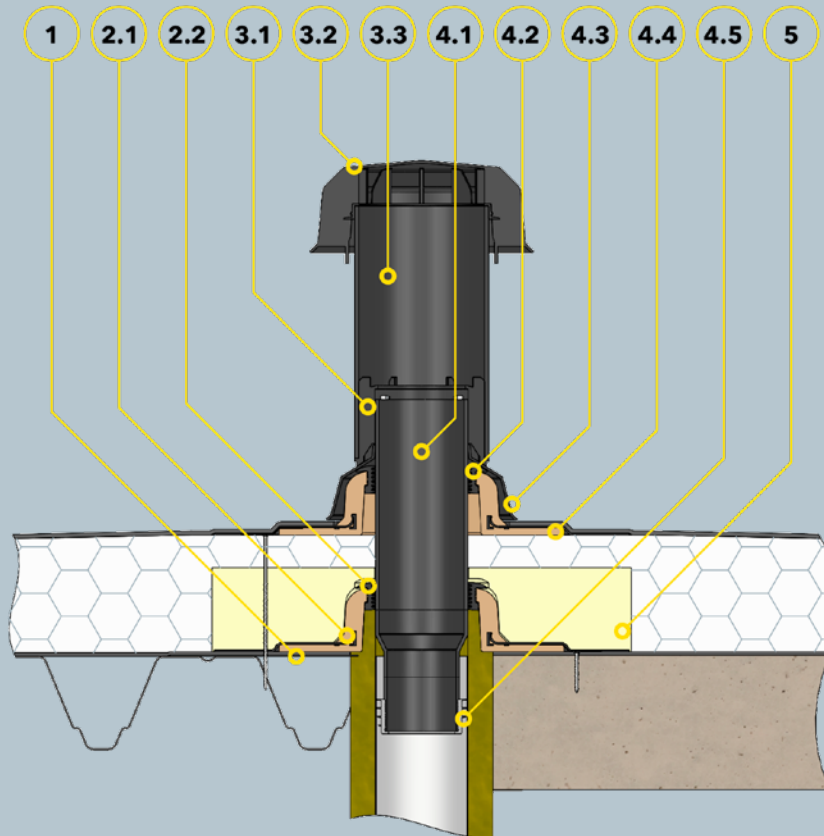
Technical drawing



DN	d1 (mm)	d2 (mm)	Article number
100	135	111	17 10 00
150	185	161	17 11 00

SitaVent refurbishment vent

SitaVent refurbishment vent with SitaVent condensation deflector in a non-ventilated roof structure



SitaVent
refurbishment vent

Components

1 SitaMore reinforcement plate

SitaVent base plate consisting of:

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

SitaVent condensation deflector consisting of:

- 3.1** Adapter for condensation deflector pipe
- 3.2** Rain cover
- 3.3** Condensation deflector pipe

SitaVent refurbishment vent consisting of:

- 4.1** Connection pipe

4.2 Sealing ring

4.3 Rain deflector

4.4 Base plate

4.5 Seal

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 cold roof vent

Creates ventilation. Stays watertight.



SitaVent
cold vent roof

- + For cold roof ventilation
- + With connection sleeve of choice
- + Direct connection to roofing membrane



SitaVent cold roof vent

SitaVent cold roof vent

Product features at a glance:

Product features

Applications	For cold roof ventilation in flat and slightly pitched, used and unused roof surfaces
Material	Base plate: Polyurethane, vent pipe: Polyethylene, rejector: Polyamide
Temperature resistance, min.	-20 °C
Temperature resistance, max.	80 °C
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable + Backflow safe up to a water column of 2 m
Workmanship	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.

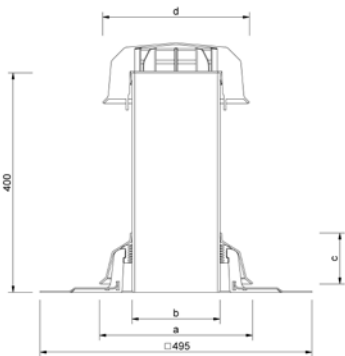
SitaVent cold roof vent



Tender text

SitaVent cold roof vent, 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, lubricant, 400 mm long PE connection pipe, polyamide rain deflector and rain cover, supply and install to professional standards.

Technical drawing



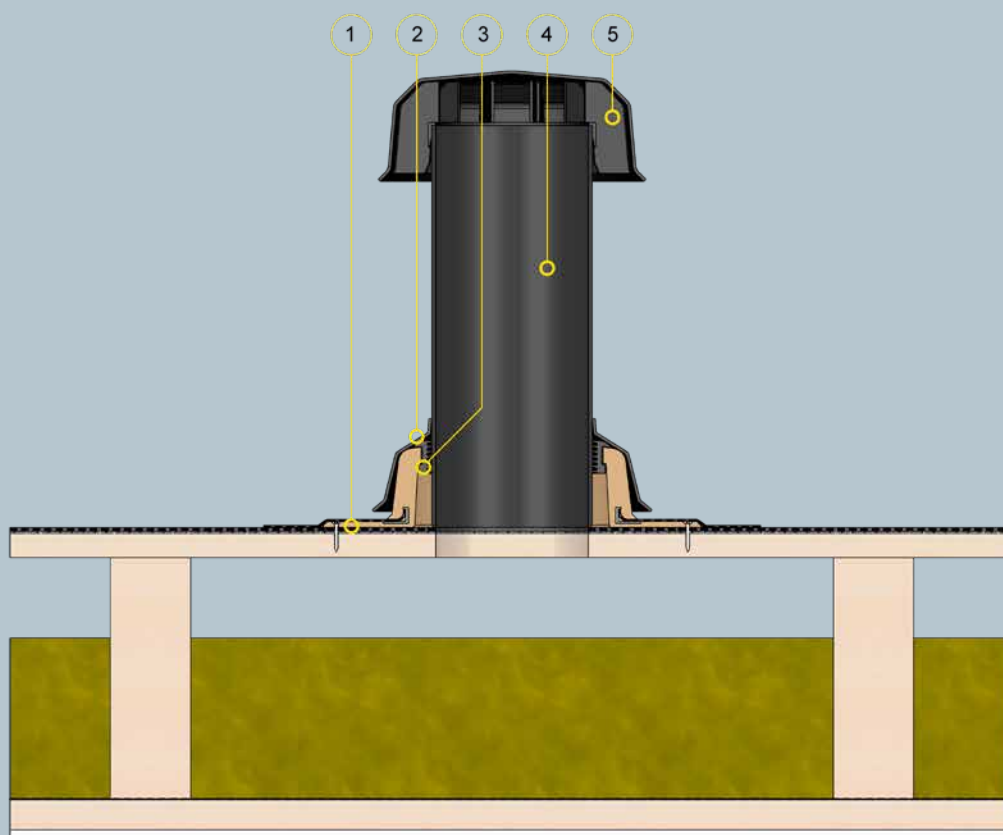
DN	OD*	Opening/Core borehole (mm)	a (mm)	b (mm)	c (mm)	d (mm)	Article number
100	110	120	340	227	90	195	17 74 xx
150	160	170	376	278	93	267	17 78 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

SitaVent cold roof vent

SitaVent cold roof vent in a ventilated roof structure



SitaVent
cold vent roof

Components

SitaVent cold roof vent consisting of:

- 1 Base plate
- 2 Rain deflector
- 3 Sealing ring
- 4 Ventilation pipe
- 5 Rain cover

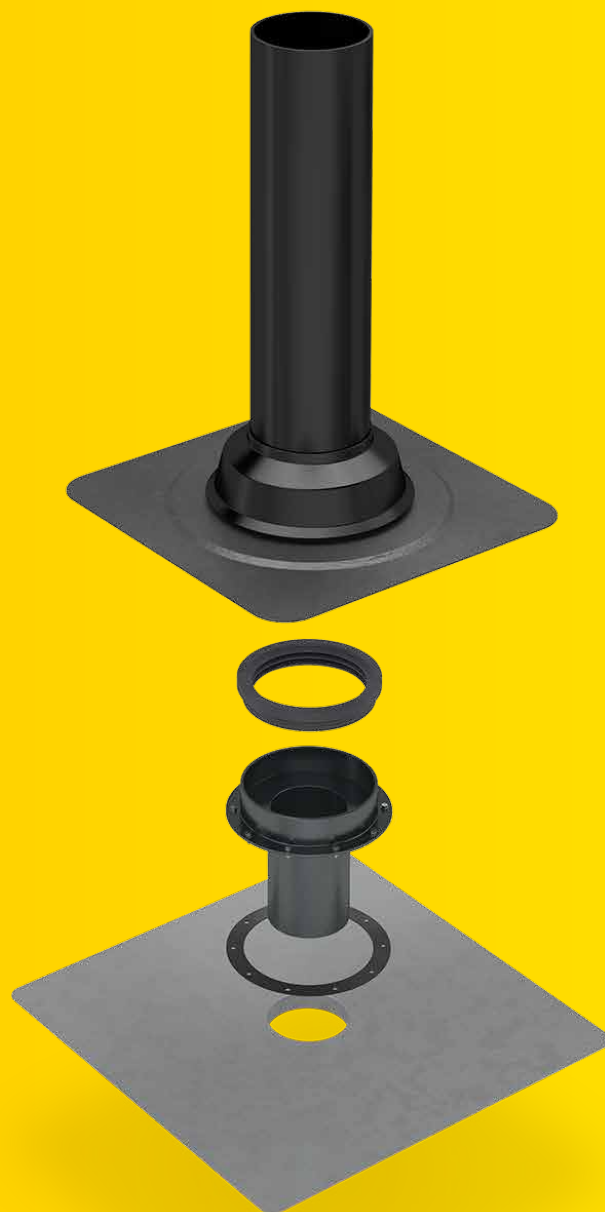
Roof structure

Ventilated roof structure to the general rules of engineering with:

- + Sealing
- + Formwork
- + Rafter
- + Thermal insulation
- + Vapour barrier
- + Substructure
- + Plasterboard

SitaVent Fireguard®

Ventilated opening. Fire protection in the set.



SitaVent
Fireguard®

- + For preventive fire protection to DIN 18234
- + A complete set allowing easy and safe installation
- + Small roof penetrations thanks to optimised shape of the spigot
- + With foamed-in connection sleeve of choice
- + For room and section ventilation



SitaVent Fireguard®
with PE pipe



SitaVent Fireguard®
with stainless steel pipe



SitaVent
rain cover



SitaFireguard®
insulating body
mineral wool

SitaVent Fireguard®

Product features at a glance:

Product features

Applications	For section and room ventilation and for preventive fire protection of flat roofs with requirements according to DIN 18234
Material	Sheet steel, polyethylene, polyurethane
Temperature resistance, min.	-20 °C
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable
Workmanship	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.

Quality mark



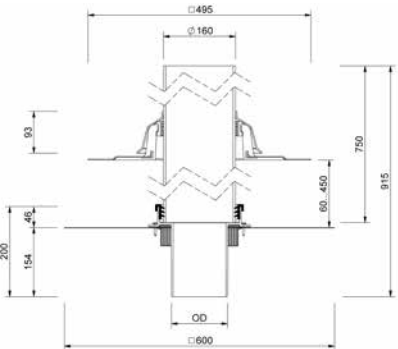
SitaVent Fireguard® with PE pipe



Tender text

SitaVent Fireguard® for preventive fire protection and to prevent the spread of fire from below where there are small flammable penetrations to DIN 18234 part 3 and 4, consisting of: PE base body, collar for fixing to the reinforcement plate and for clamping the vapour barrier, base plate with foamed-in connection sleeve of choice (495 mm x 495 mm), PE pipe, DN/ OD 150/160, 750 mm long, for insulating material thicknesses from 60 mm to 450 mm, seven-lip sealing ring and rain deflector made of polyamide. For direct connection to pipes with plug-in coupler, with sealing sleeve and reinforcement plate to DIN EN 1090-4, with pre-assembled fire protection sleeve, supply and installation to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Recess dimension (mm x mm)	Thickness of insulation material (mm)	Article number
70	75	185	150 x 150	60 - 450	F 30 43 xx
100	110	235	190 x 190		F 30 44 xx
125	125	255	200 x 200		F 30 45 xx
150	160	300	300 x 300		F 30 46 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

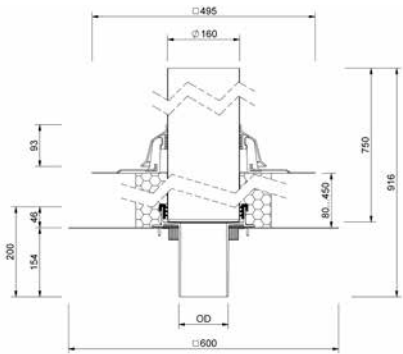
SitaVent Fireguard® with stainless steel pipe



Tender text

SitaVent Fireguard® for preventive fire protection and to prevent the spread of fire from below where there are small flammable penetrations to DIN 18234 part 3 and 4, for roofs with polyurethane insulation, consisting of: PE base body, collar for fixing to the reinforcement plate and for clamping the vapour barrier, base plate with foamed-in connection sleeve of choice (495 mm x 495 mm), rust-proof stainless steel pipe, DN/OD 150/160, 750 mm long, for insulating material thicknesses from 80 to 450 mm, seven-lip sealing ring and rain deflector made of polyamide. For direct connection to pipes with plug-in coupler, with sealing sleeve and reinforcement plate to DIN EN 1090-4, with pre-assembled fire protection sleeve and 2-part insulating body made of mineral wool 300 x 300 x 200 mm, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Recess dimension (mm x mm)	Thickness of insulation material (mm)	Article number
70	75	185	150 x 150	80 - 450	F 30 47 xx
100	110	235	190 x 190		F 30 48 xx
125	125	255	200 x 200		F 30 49 xx
150	160	300	300 x 300		F 30 50 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

SitaVent

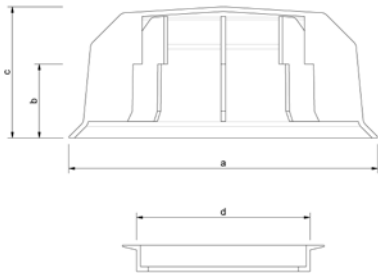
Rain cover



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 (mm)	b (mm)	c (mm)	Article number
100	196	47	83	17 90 62
150	267	59	110	17 90 66

SitaFireguard®

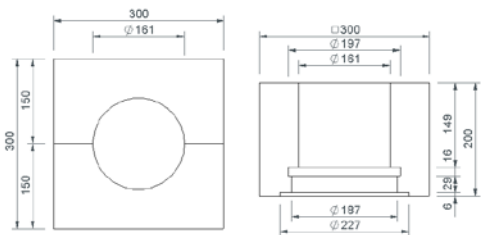
Insulating body Mineral wool



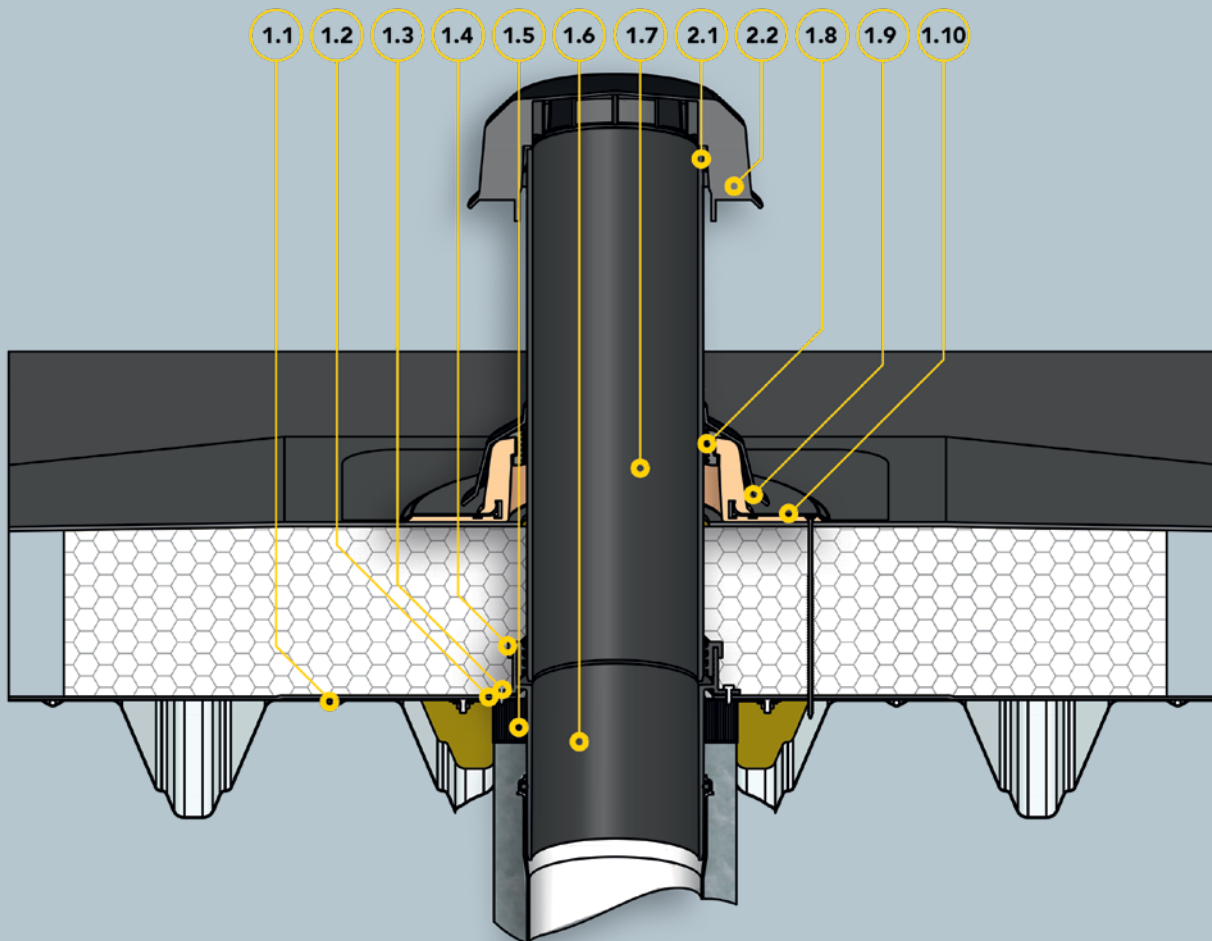
Tender text

SitaFireguard® insulating body, made of mineral fibres, WLG 040, height 200 mm, material class A1 (not flammable), application type DAA dm according to DIN 4108-10, compressive stress ≥ 70 kPa. For thermal insulation and for use as an installation aid for positioning the extension unit for the SitaFireguard®, SitaDSS Fireguard® and the PE pipe for the SitaVent Fireguard®, supply and install to professional standards.

Technical drawing



Compatibility	Article number
SitaFireguard®, SitaDSS Fireguard®, SitaVent Fireguard®	E 10 96 13



Components

SitaVent Fireguard® consisting of:

- 1.1 Reinforcement plate
- 1.2 Sealing sleeve
- 1.3 Self-tapping screw
- 1.4 Seal
- 1.5 Fire protection sleeve
- 1.6 PE base body
- 1.7 Connection pipe
- 1.8 Sealing ring
- 1.9 Rain deflector
- 1.10 Base plate

SitaVent rain cover consisting of:

- 2.1 Fastening ring
- 2.2 Base body

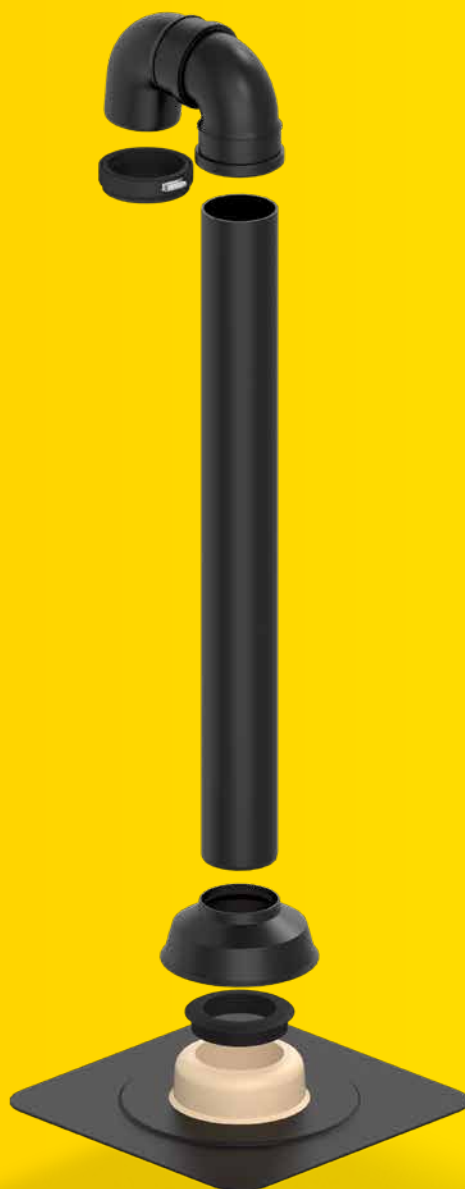
Roof structure

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

- + Sealing
- + Thermal insulation non-flammable, min. 1.0 m x 1.0 m
- + Vapour barrier
- + Non-flammable section fillers
- + Steel trapezoidal section

SitaVent pipe fairlead

Vapour-tight roof fairleads.



SitaVent
pipe fairlead

- + For cable and media lead-through
- + With connection sleeve of choice
- + Connection to all functional layers
- + As two-piece structure with SitaVent base plate



SitaVent
pipe fairlead



SitaMore
reinforcement plate



SitaVent
base plate



SitaVent
base plate insulating body



SitaVent
vapour barrier cap

SitaVent pipe fairlead

Product features at a glance:

Product features

Applications	For leading through pipes and cables on flat and slightly pitched, used and unused roof surfaces
Material	Base plate: Polyurethane, vent pipe: Polyethylene, rejector: Polyamide
Temperature resistance, min.	-20 °C
Temperature resistance, max.	80 °C
Material class	Euroclass E / B2 normal flammability
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable + Backflow safe up to a water column of 2 m
Workmanship	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.

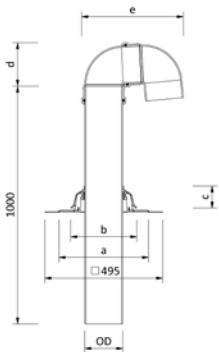
SitaVent pipe fairlead



Tender text

SitaVent pipe fairlead 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, lubricant, with removable 87.3° polypropylene bend and polyamide rain deflector, supply and install to professional standards.

Technical drawing

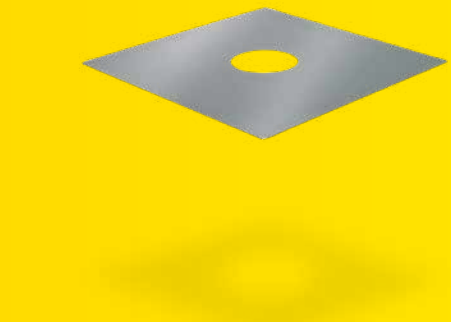


DN	OD*	Opening/Core borehole (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Article number
100	110	170	340	228	90	138	314	17 65 xx
150	160	220	376	278	93	183	427	17 68 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

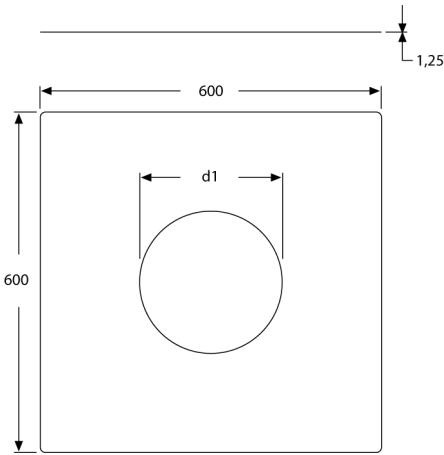
SitaMore reinforcement plate



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

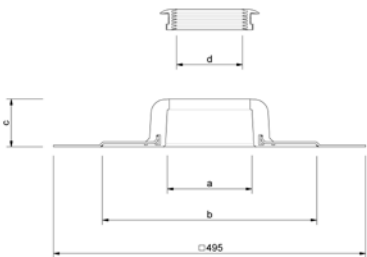
Base plate



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 (mm)	b (mm)	c (mm)	d (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

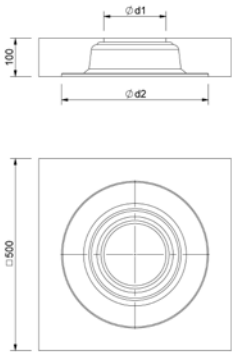
insulating body



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 (mm)	d1 (mm)	d2 (mm)	d3 (mm)	Article number
100	76	112	214	349	17 54 98
150	83	162	239	382	17 58 98

SitaVent

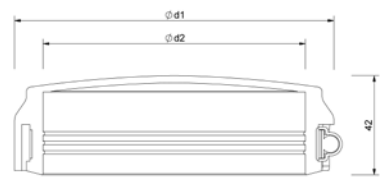
vapour barrier cap



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.

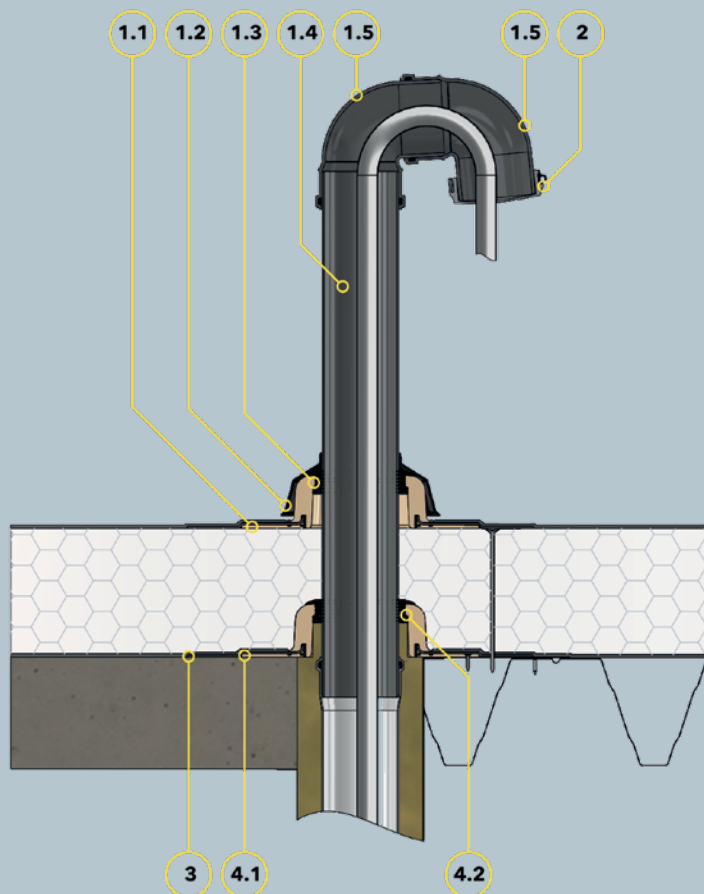
Technical drawing



DN	d1 (mm)	d2 (mm)	Article number
100	135	111	17 10 00
150	185	161	17 11 00

SitaVent pipe fairlead

SitaVent pipe fairlead in a non-ventilated roof structure



SitaVent
pipe fairlead

Components

SitaVent pipe lead-through consisting of:

- 1.1 Base plate
- 1.2 Rain deflector
- 1.3 Sealing ring
- 1.4 Connection pipe
- 1.5 Pipe bend

- 2 SitaVent vapour barrier cap
- 3 SitaMore reinforcement plate

SitaVent base plate consisting of:

- 4.1 Base plate
- 4.2 Sealing ring

Roof structure

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

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

SitaFireguard® pipe lead-through

Correct lead-through.
Fire protection in the set.



- + For preventative fire protection to DIN 18234
- + A complete set allowing easy and safe installation
- + With foamed-in connection sleeve of choice
- + Fire protection plug for safe lead-through of cables and media



SitaFireguard®
pipe lead-through



SitaFireguard®
pipe lead-through
insulating body mineral wool

SitaFireguard® pipe lead-through

Product features at a glance:

Product features

Applications	For pipe lead-throughs and for preventive fire protection of flat roofs with DIN 18234 requirements
Material	Sheet steel, polyethylene, polyurethane
Temperature resistance, min.	-20 °C
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable
Workmanship	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.

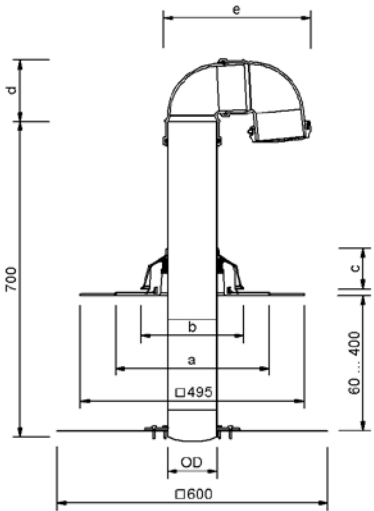
SitaFireguard® pipe lead-throughs



Tender text

SitaFireguard® pipe lead-through, for preventive fire protection and to prevent the spread of fire from below where there are small flammable penetrations according to DIN 18234 Part 3 and 4, for cable and pipe lead-throughs up to 28 mm, consisting of: Fire protection pipe made of stainless steel with securing flange for fixing to the reinforcement plate and for clamping the vapour barrier, 680 mm long, for insulating material thicknesses of 60 mm to 400 mm, removable 87.3° bend made of PP with vapour barrier cap made of EPDM, PUR base plate with foamed-in connection sleeve of choice (495 x 495 mm), seven-lip sealing ring and rain deflector made of polyamide, with a reinforcement plate according to DIN EN 1090-4, including fire protection plug, supply and install to professional standards.

Technical drawing



DN	OD*	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Bridging of thermal insulation min. (mm)	Bridging of thermal insulation max. (mm)	Article number
100	110	340	228	90	138	326	60	450	F 30 51 xx
150	160	376	278	93	183	439			F 30 52 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

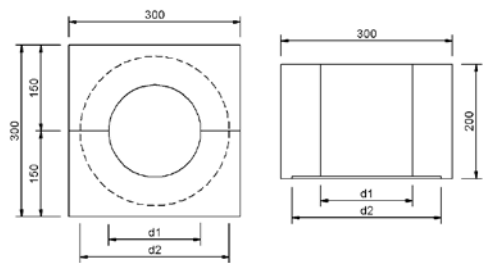
SitaFireguard® pipe lead-through insulating body mineral wool



Tender text

SitaFireguard® pipe lead-through insulating body, made of mineral fibres, WLG 040, height 200 mm, material class A1 (not flammable), application type DAA dm according to DIN 4108-10, compressive stress ≥ 70 kPa. For thermal insulation and installation aid for positioning the fire protection pipe and the SitaFireguard® pipe lead-through, supply and install to professional standards.

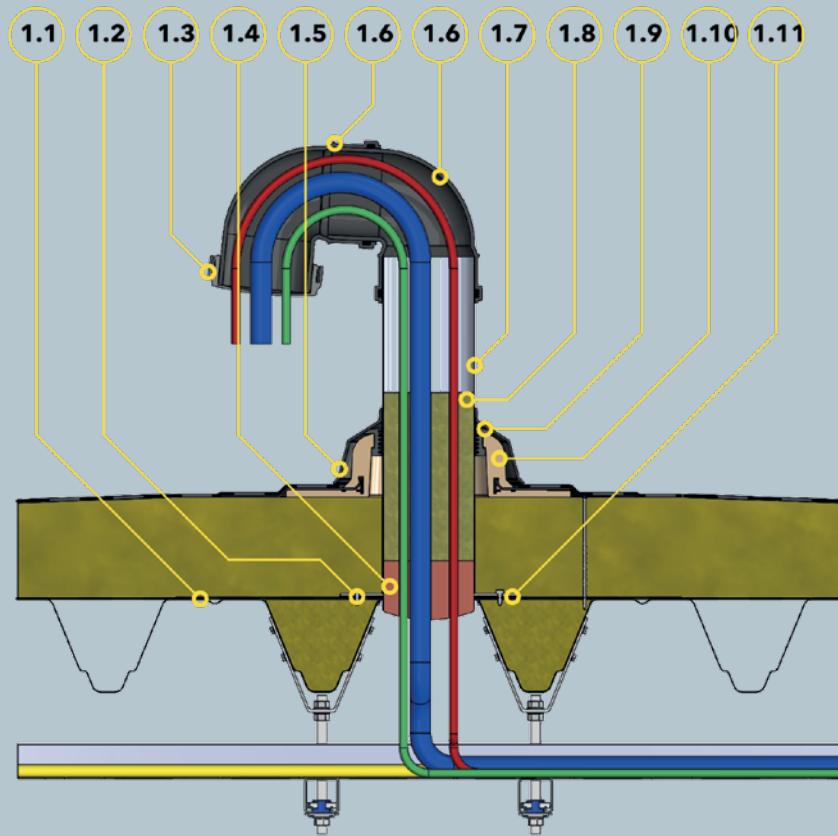
Technical drawing



For model/series	d1 (mm)	d2 (mm)	Bridging of thermal insulation min. (mm)	Bridging of thermal insulation max. (mm)	Article number
SitaFireguard® pipe lead-through DN 100	111	211	80	200	E 10 96 15
SitaFireguard® pipe lead-through DN 150	161	261	80	200	E 10 96 16

SitaFireguard® pipe lead-through

SitaFireguard® pipe lead-through in a non-ventilated roof structure



Components

SitaFireguard® pipe lead-through consisting of:

- 1.1** Reinforcement plate
- 1.2** Set of screws
- 1.3** Vapour barrier cap
- 1.4** Fire protection plug
- 1.5** Rain deflector
- 1.6** Pipe bend
- 1.7** Fire protection pipe with securing flange
- 1.8** Non-flammable loose mineral wool
- 1.9** Sealing ring
- 1.10** Base plate
- 1.11** Sealing sleeve

Roof structure

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

- + Sealing
- + Thermal insulation non-flammable, min. 1.0 m x 1.0 m
- + Vapour barrier
- + Non-flammable section fillers
- + Steel trapezoidal section

SitaVent Revision

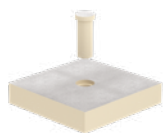
Vapour barrier during inspection.



- + To inspect the vapour barrier
- + Including fixing for a thermal insulation core
- + Alternatively to hold a thermo-hygrometer
- + With connection sleeve of choice
- + Secures the vapour barrier cap with a pipe clamp



**SitaVent
Revision**



SitaVent Revision
insulating body

SitaVent Revision

Product features at a glance:

Product features

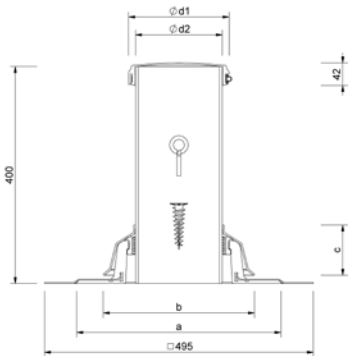
Applications	For checking the vapour barrier level on flat and slightly pitched, used and unused roof surfaces
Material	Base plate: Polyurethane, pipe: Polyethylene, cap: EPDM
Temperature resistance, min.	-20 °C
Temperature resistance, max.	80 °C
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable + Backflow safe up to a water column of 2 m
Workmanship	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.



Tender text

SitaVent Revision with 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, lubricant, 400 mm long PE pipe, rain deflector and vapour barrier cap made of EPDM with screw fixing, insulation dowel and eye-bolt for connection to a removable insulation block, supply and install to professional standards.

Technical drawing



DN	OD*	a (mm)	b (mm)	c (mm)	d1 (mm)	d2 (mm)	Article number
100	110	340	227	90	135	110	17 80 xx
150	160	376	278	93	185	160	17 81 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

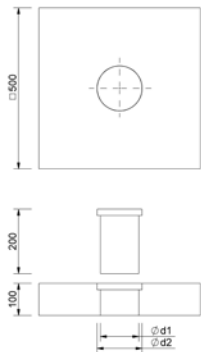
SitaVent Revision insulating body



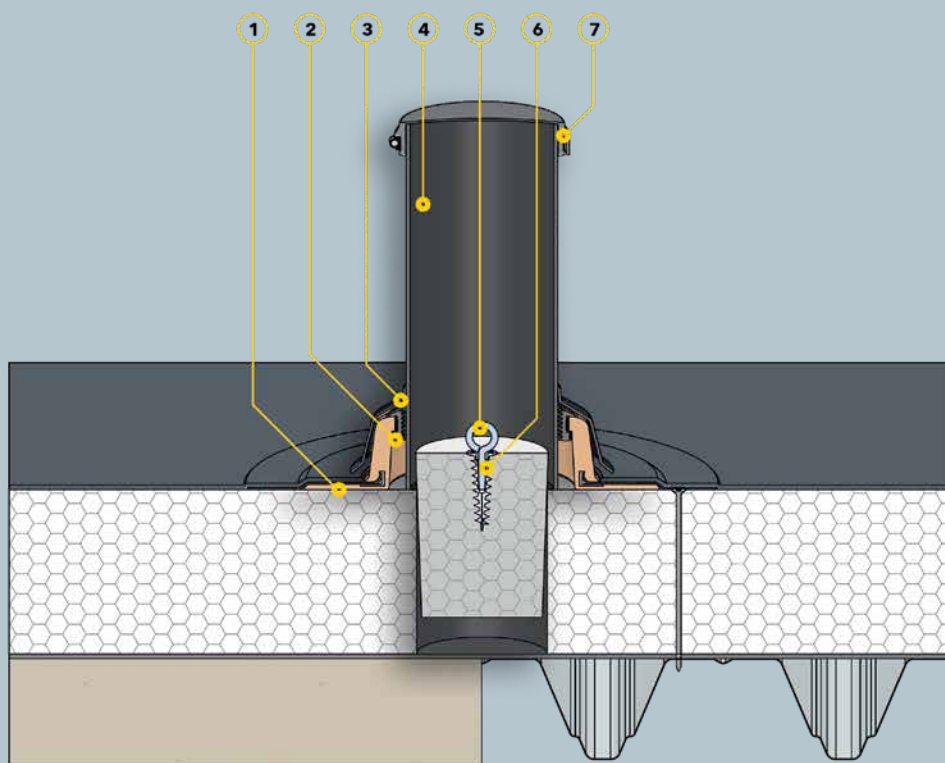
Tender text

SitaVent Revision insulating body, made of polyurethane with aluminium cover layers, in size 500 x 500x 100 mm, thermal conductivity lambda = 0.023 W/mK, compressive strength 120 kPa, with accurately sized 200 mm long insulation block, to aid installation and for thermal insulation to prevent thermal bridges, supply and install to professional standards.

Technical drawing



DN	d1 (mm)	d2 (mm)	Article number
100	70	90	17 82 00
150	120	140	17 83 00



Components

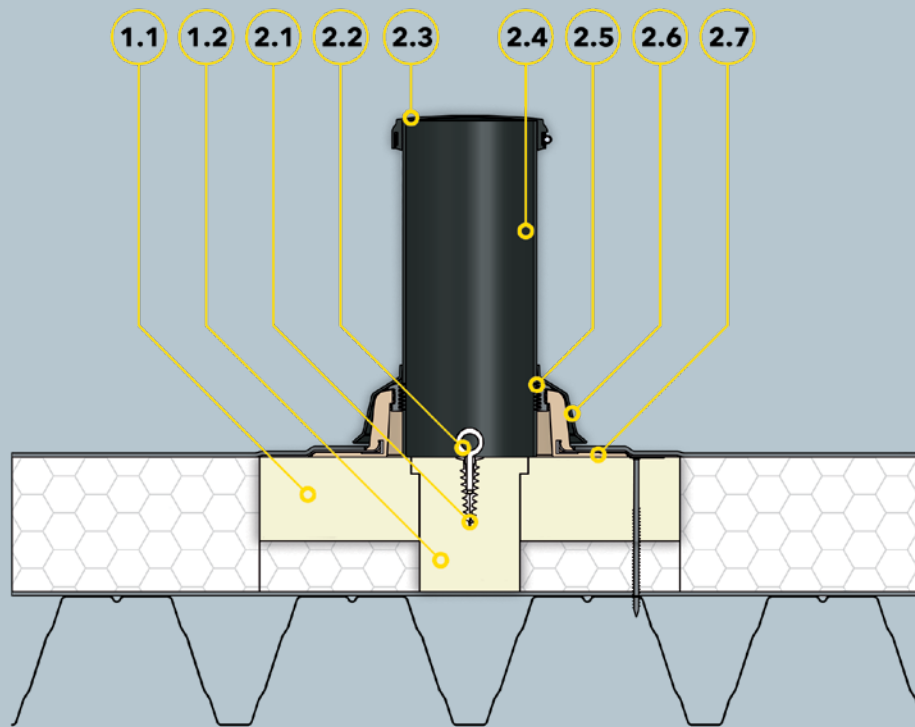
SitaVent Revision consisting of:

- 1 Base plate
- 2 Sealing ring
- 3 Rain deflector
- 4 PE pipe
- 5 Insulation dowel
- 6 Eye-bolt
- 7 Vapour barrier cap

Roof structure

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

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



Components

SitaVent Revision insulating body consisting of:

- 1.1 Insulating body
- 1.2 Insulating block

SitaVent Revision consisting of:

- 2.1 Insulation dowel
- 2.2 Eye-bolt
- 2.3 Vapour barrier cap
- 2.4 PE pipe
- 2.5 Sealing ring
- 2.6 Rain deflector
- 2.7 Base plate

Roof structure

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

- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

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and construction.**

Connection sleeves for outlets with article end numbers.

For SitaStandard, SitaTrendy, SitaDSS Profi, SitaIndra, SitaDSS Indra, SitaVasant^{*5}, SitaEasy, SitaEasy Plus, SitaCompact, SitaCompact Near^{*4}, SitaCarport, SitaMini^{*3}, SitaSani^{*}, SitaFireguard^{*}, SitaDSS Fireguard^{*}, SitaVent Fireguard^{*} and SitaVent.

Sleeves from the series production

Product-/Trade name	Art. No. end number	Type	Manufacturer
Bitumen	00 ^{*1}	Elastomerbitumen	
PVC soft	10	PVC - light grey	
Fluid	90	for liquid plastic seal (Order-related production lead-time approx: 5 working days ex works)	

Sleeves from the special production

Order-related production lead-time approx: 5 working days ex works

Surcharge see current price list

Product-/Trade name	Art. No. end number	Type	Manufacturer
Alkorplan F35276	49	PVC - medium grey	Renolit AG
Alkortec [®]	05	EVA - dark grey	
Armourplan G	45	PVC - medium grey	IKO Polymeric
Elevate UltraPly	42	TPO/FPO - grey	Holcim Solutions and Products EMEA BV
Elevate UltraPly	54	TPO/FPO - white	
Evalastic V	22 ^{*1}	EPDM - light grey	Alwitra GmbH
Evalon V	25 ^{*1}	EVA - white	
Evalon V	37 ^{*1}	EVA - light grey	
Evalon V	50 ^{*1}	EVA - slate grey	
EverGuard	77	TPO/FPO - light grey	BMI Wolfin Bautechnik
EverGuard	0109	TPO/FPO - white	
Extrapol F	32 ^{*1}	TPO/FPO - light grey	Schedetal Folien GmbH
Flagon EP	73	TPO/FPO - basalt grey	SOPREMA GmbH
Flagon EP	0111	TPO/FPO - sand grey	
Flagon SR	66	PVC - light grey	
Hertalan Easy Weld	07	EPDM - black	Carlisle Construction Materials GmbH
Köster TPO 2.0 F	48 ^{*1}	TPO/FPO - light grey	Köster Bauchemie AG
Mapeplan D 15	06	PVC - light grey	Mapei GmbH (DE)
Mapeplan-T	04	TPO/FPO - smartwhite	
Polyfin 4020 v	16 ^{*1}	TPO/FPO - light grey	Polyfin AG
Resitrix CL	01 ^{*2}	EPDM - black	Carlisle Construction Materials GmbH
Rhepanol HG 18	34	PIB - grey	FDT Flachdachtechnologie GmbH & Co. KG
Sarnafil [®] -TG 66-15	24	TPO/FPO - beige	Sika GmbH
Sarnafil [®] -TG 66-15	76	TPO/FPO - grey	
Sikaplan [®] 15G	09	PVC - light grey	
Sintofoil RG FR	0104	TPO/FPO - light grey	GEORG BÖRNER GmbH & Co. KG
Tectofin RV plus	0105 ^{*1}	ASA-PVC - grey	BMI Wolfin Bautechnik
Tectofin RV plus	0108 ^{*1}	ASA-PVC - titanium grey	
Thermofin F15	02	TPO/FPO - silver grey	Paul Bauder GmbH & Co. KG
Thermofol U15	52	PVC - anthracite	
Thermoplan TL 15	29	TPO/FPO - pearl white	
Thermoplan TL 18	0106	TPO/FPO - granite black	
Thermoplan TL 18	0107	TPO/FPO - silver grey	
VAEPLAN F	35	EVA - grey	VAEPLAN GmbH
Wolfin IB	20	PVC-PBV - black	BMI Wolfin Bautechnik

Surcharge see current price list

NovoProof joining technology	84	EPDM - black	CQLT SaarGummi Deutschland GmbH
Thermobond R	75	EPDM - black	Sealeco GmbH

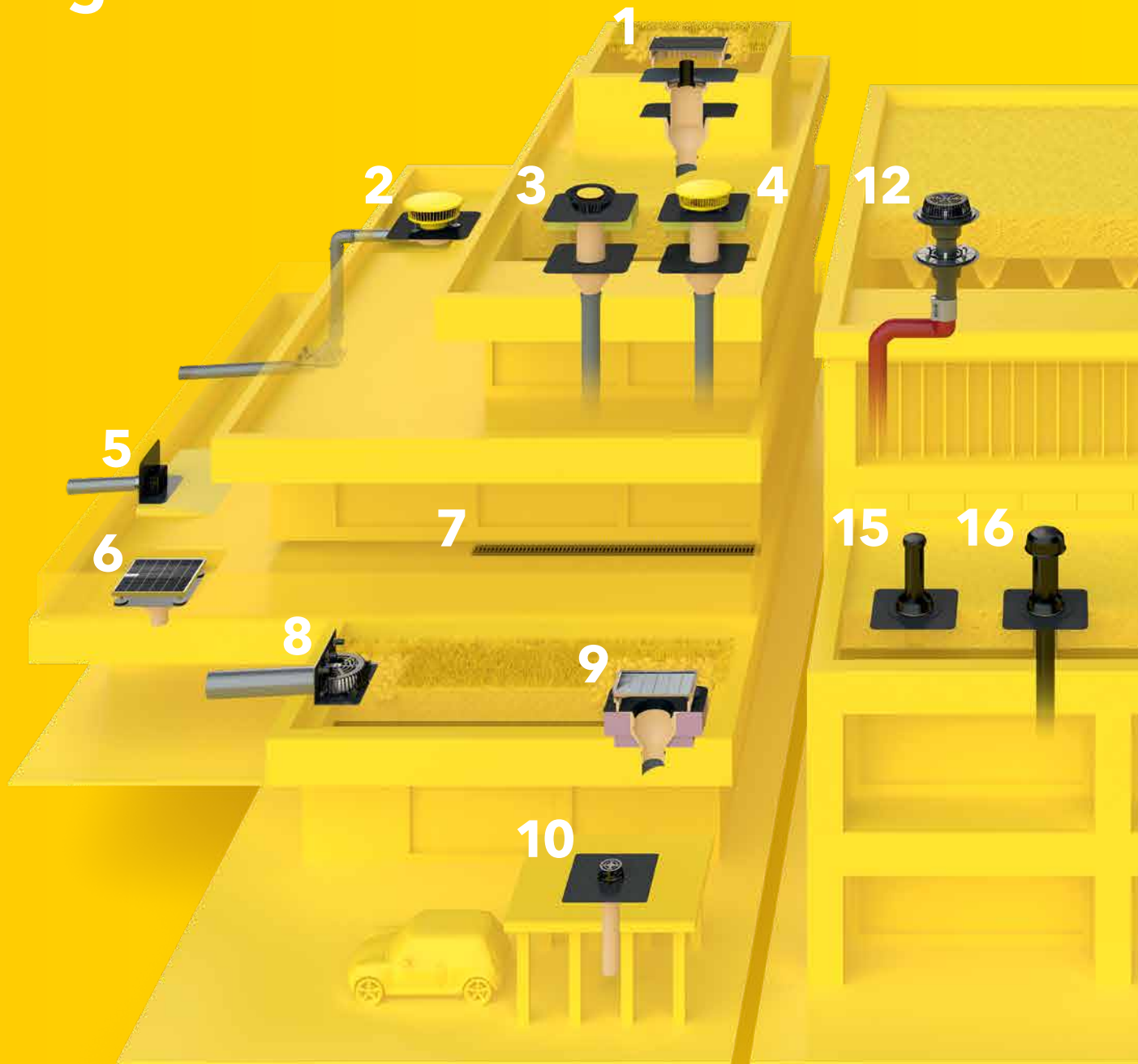
Surcharge see current price list

Elevate Quickseam			
SA Flashing	03	EPDM - black	Holcim Solutions and Products EMEA BV
Hertalan with joining technology	82	EPDM - black	Carlisle Construction Materials GmbH

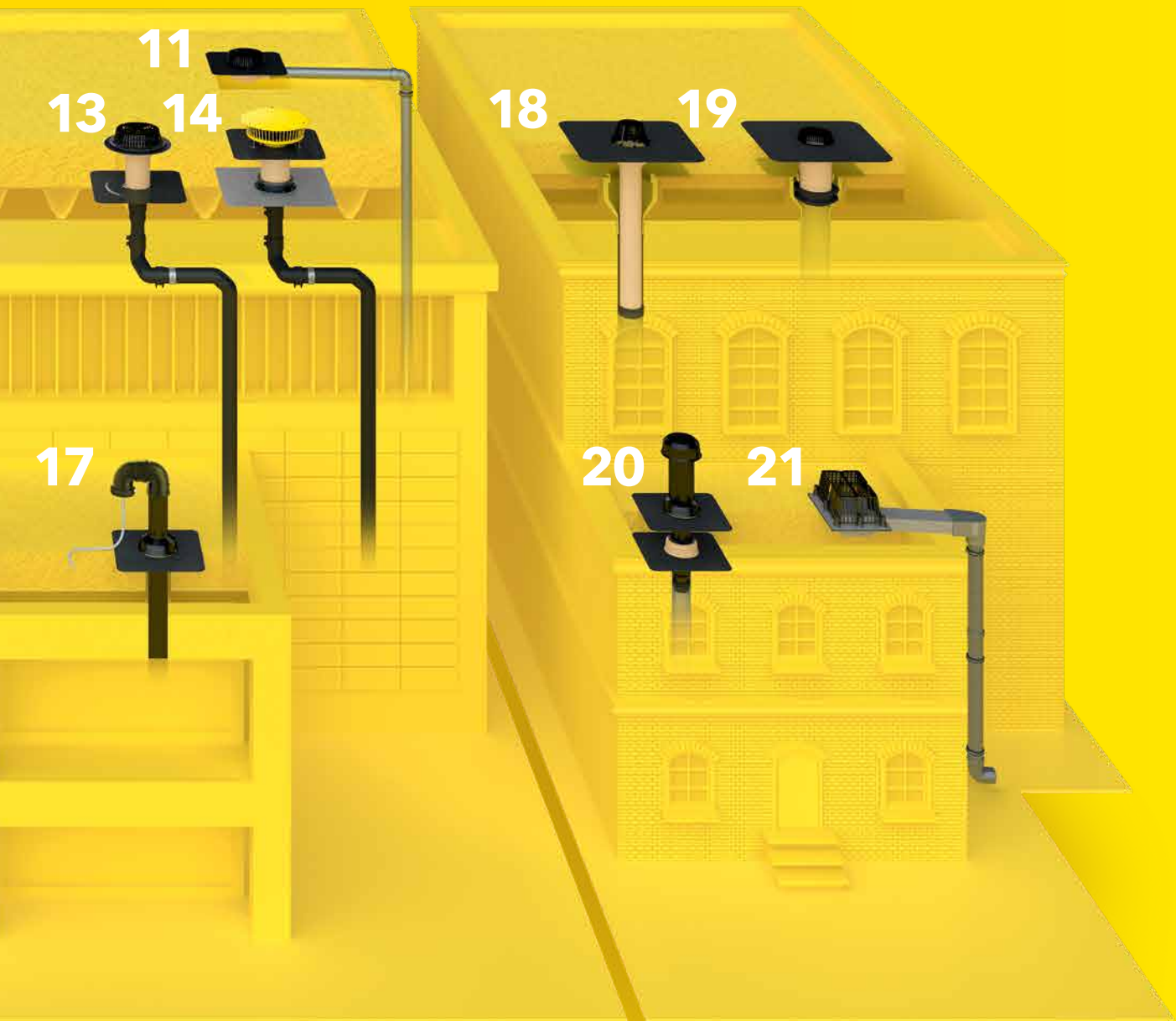
^{*1}Fleece-backed membrane, ^{*2}Bitumen side on top, ^{*3}except 03 and 84, ^{*4}except 00 and 90, ^{*5}except 09.

Further connection sleeves upon request.

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- | | | | |
|---|---|----|---|
| 1 | SitaRetention green roof shaft with SitaRetention Fix | 5 | SitaEasy |
| 2 | SitaKaskade Inside with SitaDSS Indra emergency drainage set and SitaPipe stainless steel pipe system | 6 | SitaDrain® Terra with SitaCompact |
| 3 | SitaStandard with SitaStandard extension unit and insulating body in use for the extension unit | 7 | SitaDrain® box drain with footbridge |
| 4 | SitaStandard with SitaStandard extension unit and SitaMore retaining element | 8 | SitaRondo |
| | | 9 | SitaGreen roof shaft with SitaTrendy and SitaTrendy insulating body |
| | | 10 | SitaCarport |
| | | 12 | |
| | | 15 | |
| | | 16 | |



- 11** SitaDSS Indra main drainage set
- 12** SitaDSS Multi with SitaDSS Multi extension unit
- 13** SitaDSS Profi with SitaDSS Profi extension unit
- 14** SitaDSS Fireguard® with retaining element
- 15** SitaVent Revision

- 16** SitaVent system vent with SitaVent condensation deflector
- 17** SitaVent pipe bent with pipe fairlead
- 18** SitaSani® drainage into the existing pipe system
- 19** SitaSani® drainage into the existing roof outlet

- 20** SitaVent refurbishment vent with SitaVent base plate
- 21** SitaTurbo loose retention valve

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- + Ensuring sustainability & corporate transparency



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terrace drainage



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and retention



Parapet
drainage



Refurbishment



Kaskade



Ventilation and
pipe fairlead

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