

SitaDSS Profi

Low weight. Timeless look.



- + For direct connection to PE pipes and the SitaPipe stainless steel pipe system
- + High discharge rate
- + Simple installation due to few single parts
- + Can be used universally
- + With connection sleeve of choice or screw-on flange construction



SitaDSS Profi
With Airstop



SitaDSS Profi
Without Airstop



SitaDSS Profi
Screw-on flange
With Airstop



SitaDSS Profi
Screw-on flange
Without Airstop



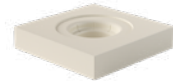
SitaDSS Profi
Extension unit



SitaDSS Profi
Screw-on flange
Extension unit



SitaDSS Profi
Retaining element



SitaDSS Profi
Insulating body for
extension element



SitaMore
Fire protection sleeve



SitaMore
Pipe sleeve heating



SitaMore
Reinforcement plate

SitaDSS Profi

Product features at a glance:

Product features

Applications	For main and emergency drainage to DIN EN 12056-3 and DIN 1986-100 for large used and unused flat roofs
Material	Polyurethane
Design	Vertical
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 + Thermally insulated
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



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und überwacht

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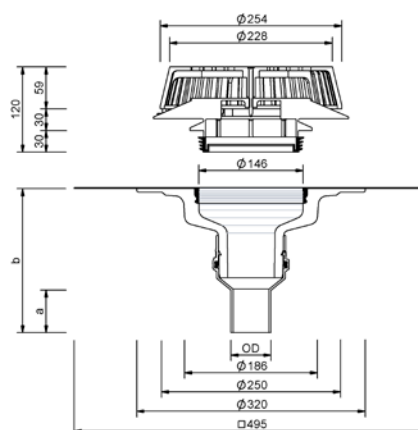
SitaDSS Profi With Airstop



Tender text

SitaDSS Profi siphonic drainage rainwater outlet made of polyurethane, thermally insulated, to DIN EN 1253-2, in sizes DN 56 or DN 70, with Airstop including dome grate, for direct connection to PE pipes (butt welding or with electrofusion socket) or to the SitaPipe stainless steel pipe system, for siphonic drainage, with a large connection sleeve of choice (495 mm x 495 mm) to suit the roofing membrane and with fixing ring for additional securing of the connection sleeve and to hold the Airstop including dome grate, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	a (mm)	b (mm)	Article number
56	56	250	60	202	14 02 xx
70	75			194	14 04 xx
90	90			189	14 06 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

Discharge rate according to DIN EN 1253-2

DN	Retaining height (mm)																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
56	0,7	2,0	3,2	4,1	4,9	6,6	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2
70	0,5	1,3	2,8	4,2	5,5	7,6	9,4	12,9	16,3	16,7	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0
90	0,8	2,0	3,1	4,2	5,2	7,0	8,7	13,4	18,0	20,2	22,3	23,0	23,7	23,9	24,0	24,0	24,0	24,0	24,0	24,0

SitaDSS Profi

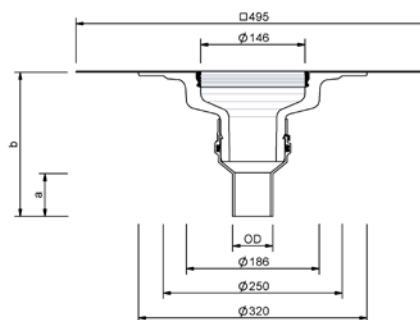
Without Airstop



Tender text

SitaDSS Profi siphonic drainage rainwater outlet without Airstop, made of polyurethane, thermally insulated, to DIN EN 1253-2, in sizes DN 56 of DN 70, for direct connection to PE pipes (butt welding or with electrofusion socket) or to the SitaPipe stainless steel pipe system, for siphonic drainage, with a large connection sleeve of choice (495 x 495 mm) to suit the roofing membrane and with fixing ring for additional securing of the connection sleeve. Only in combination with the SitaDSS Profi retaining element, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	a (mm)	b (mm)	Article number**
56	56	250	60	202	14 32 xx
70	75			194	14 34 xx
90	90			189	14 36 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

** Without Airstop, to be utilised in combination with the SitaDSS Profi retaining element for emergency drainage only.

Discharge rate according to DIN EN 1253-2

DN	Retaining height (mm)																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
56	0,7	2,0	3,2	4,1	4,9	6,6	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2
70	0,5	1,3	2,8	4,2	5,5	7,6	9,4	12,9	16,3	16,7	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0
90	0,8	2,0	3,1	4,2	5,2	7,0	8,7	13,4	18,0	20,2	22,3	23,0	23,7	23,9	24,0	24,0	24,0	24,0	24,0	24,0

SitaDSS Profi

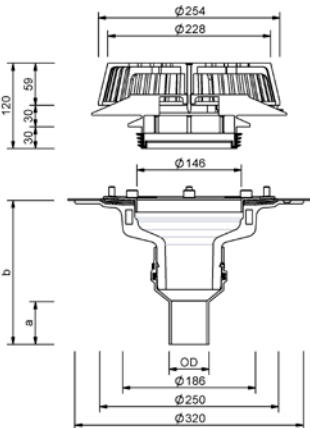
Screw-on flange with Airstop



Tender text

SitaDSS Profi screw-on flange siphonic drainage rainwater outlet, made of polyurethane, thermally insulated, to DIN EN 1253-2, in sizes DN 56 of DN 70, for direct connection to the PE pipes (butt welding or with electrofusion socket), or to the SitaPipe stainless steel pipe system, for siphonic drainage, with pre-drilled holes to secure the component in the substructure, with foamed-in insert ring for the supplied screws, loose aluminium flange and two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes. With Airstop including dome grate, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	a (mm)	b (mm)	Article number
56	56	250	60	202	14 02 99
70	75			194	14 04 99
90	90			189	14 06 99

* OD = Outer diameter (mm)

Discharge rate according to DIN EN 1253-2

DN	Retaining height (mm)																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
56	0,7	2,0	3,2	4,1	4,9	6,6	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2
70	0,5	1,3	2,8	4,2	5,5	7,6	9,4	12,9	16,3	16,7	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0
90	0,8	2,0	3,1	4,2	5,2	7,0	8,7	13,4	18,0	20,2	22,3	23,0	23,7	23,9	24,0	24,0	24,0	24,0	24,0	24,0

SitaDSS Profi

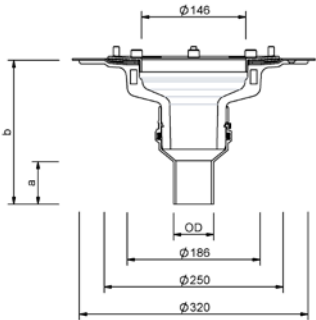
Screw-on flange without Airstop



Tender text

SitaDSS Profi siphonic drainage rainwater outlet without Airstop, made of polyurethane, thermally insulated, to DIN EN 1253-2, in sizes DN 56 of DN 70, for direct connection to the PE pipes (butt welding or with electrofusion socket), or to the SitaPipe stainless steel pipe system, for siphonic drainage, with pre-drilled holes to secure the component in the substructure, with foamed-in insert ring for the supplied screws, loose aluminium flange and two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes. Only in combination with the SitaDSS Profi retaining element, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	a (mm)	b (mm)	Article number**
56	56	250	60	202	14 32 99
70	75			194	14 34 99
90	90			189	14 36 99

* OD = Outer diameter (mm)
 ** Without Airstop, to be utilised in combination with the SitaDSS Profi retaining element for emergency drainage only.

Discharge rate according to DIN EN 1253-2

DN	Retaining height (mm)																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
56	0,7	2,0	3,2	4,1	4,9	6,6	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2
70	0,5	1,3	2,8	4,2	5,5	7,6	9,4	12,9	16,3	16,7	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0
90	0,8	2,0	3,1	4,2	5,2	7,0	8,7	13,4	18,0	20,2	22,3	23,0	23,7	23,9	24,0	24,0	24,0	24,0	24,0	24,0

SitaDSS Profi

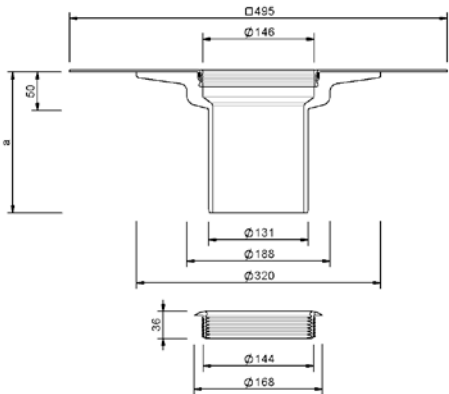
Extension unit



Tender text

SitaDSS Profi extension unit, made of polyurethane, compliant with DIN EN 1253-2, thermally insulated, for insulating material thicknesses of 60–320 mm. With large foamed-in connection sleeve of choice (495 mm x 495 mm) to suit the roofing membrane and with fixing ring for additional securing of the connection sleeve. Complete including multi-lip angled sealing ring for backflow protection, supply and install to professional standards.

Technical drawing



a (mm)	Bridging of thermal insulation min. (mm)	Bridging of thermal insulation max. (mm)	Article number
185	60	150	14 25 xx
255		220	14 26 xx
355		320	14 27 xx

xx = Article end numbers for connection sleeve of choice

SitaDSS Profi

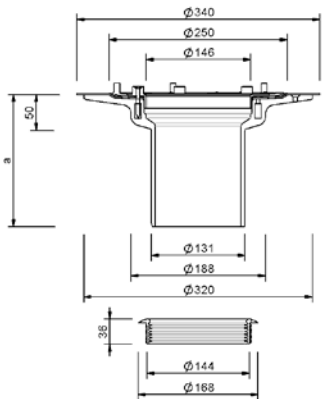
Screw-on flange extension unit



Tender text

SitaDSS Profi screw-on flange extension unit, made of polyurethane, to DIN EN 1253-2, for insulating material thicknesses of 60 - 320 mm, with pre-drilled holes to secure the component in the substructure. With foamed-in insert ring for the supplied screws, loose aluminium flange and two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes. Complete including multi-lip angled sealing ring for backflow protection, supply and install to professional standards.

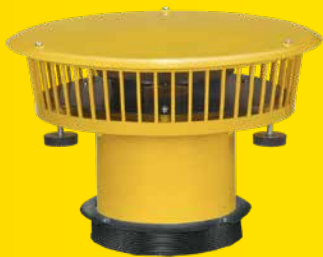
Technical drawing



a (mm)	Bridging of thermal insulation min. (mm)	Bridging of thermal insulation max. (mm)	Article number
185	60	150	14 25 99
255		220	14 26 99
355		320	14 27 99

SitaDSS Profi

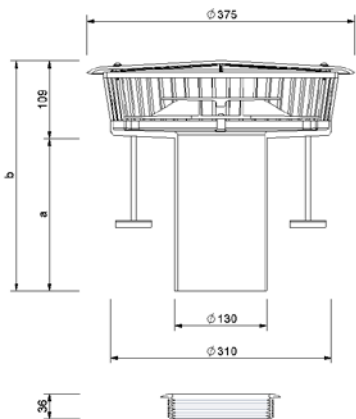
Retaining element



Tender text

SitaDSS Profi retaining element, made of polyamide, to DIN EN 1253-2, for SitaDSS Profi, SitaDSS Profi screw-on flange, siphonic drainage rainwater outlet and extension units for emergency drainage, adjustable height of the inlet edge of 25 - 200 mm, 105 mm - 85 mm or 150 mm - 135 mm, with multi-lip angled sealing ring to seal the retaining element against the roof outlet or extension unit. With three infinitely height-adjustable rubber-metal buffers, installation area per foot: 19.6 cm², with galvanised threaded rod M8 x 90 mm, M8 x 140 mm, M8 x 190 mm with bolted sealed cover which can be removed for inspection, housing with 51 surrounding ribs, in yellow signal colour. Retaining heights are infinitely adjustable, with large inlet pot to increase discharge capacity, supply and install to professional standards.

Technical drawing



Compatibility	Damming height from-to (mm)	a (mm)	b (mm)	Article number
SitaDSS Profi, SitaSani® 160 DSS	25-105	114	223	14 90 01
	85-150	214	323	14 90 11
	135-200			14 90 12

SitaDSS Profi

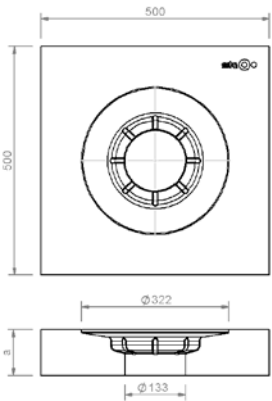
Insulating body extension unit



Tender text

SitaDSS Profi insulating body for extension unit, made of polyurethane, for easy bonding to the vapour barrier, without mechanical fastening of the extension unit by bonding to the insulation body, size 500 x 500 x 100 mm or 500 x 500 x 60 mm, thermal conductivity $\lambda=0.025$ W/mK, compressive strength 200 kPa, density approx. 50 kg/m³, as an installation aid and thermal insulation for the prevention of thermal bridges, supply and install to professional standards.

Technical drawing



Compatibility	a (mm)	Article number
SitaDSS Profi extension unit	100	14 50 05
	60	14 50 06

SitaMore

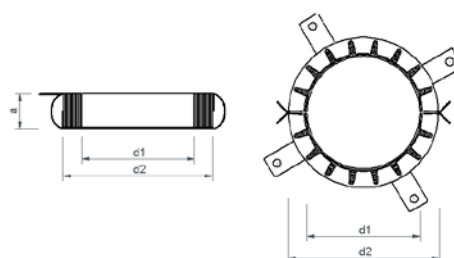
Protection sleeve



Tender text

SitaMore fire protection sleeve, pipe insulation to ETAG 026 Part 2:2008-01-01 in fire resistance class EI 120-U/U or EI 240-U/C to EN 13501-2 for fire protection on inflammable pipes to ETA-11/0208, dated 22 June 2011. To seal openings in internal walls at least 100 mm thick and ceilings at least 150 mm thick, classified to EN 13501-2. To prevent the spread of fire and smoke, supply and install to professional standards.

Technical drawing



DN	OD	a (mm)	d1 (mm)	d2 (mm)	Article number
100	110	26,6	114	155	80 13 00 11
125	125	40	129	172	80 13 00 12
160	160		165	220	80 13 00 16
200	200		204	284	80 13 00 20
250	250		264	353	80 13 00 25
315	315	50	328	417	80 13 00 31
40	40	26	46	55	80 13 00 40
50	50		54	68	80 13 00 50
63	63		67	94	80 13 56 63
70	75		79	106	80 13 00 75
90	90	26,6	94	132	80 13 00 90

SitaMore

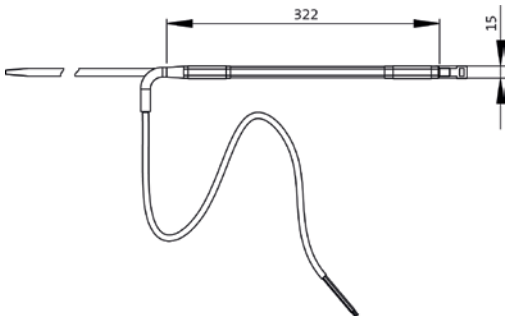
Pipe sleeve heating



Tender text

SitaMore pipe sleeve heating, for heating roof outlets and pipes, self-regulating PTC heating element with a heat rating of approx. 10 W at -20 °C and 230 V, with two cable ties for easy securing to pipes or roof outlets. No transformer required, supply and install to professional standards.

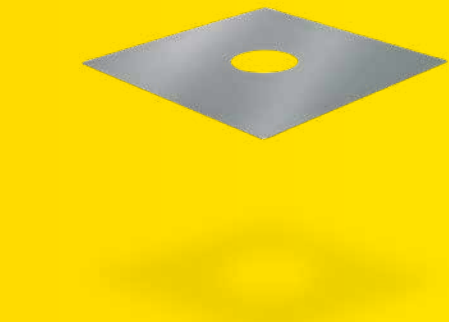
Technical drawing



Article number
10 90 35

SitaMore

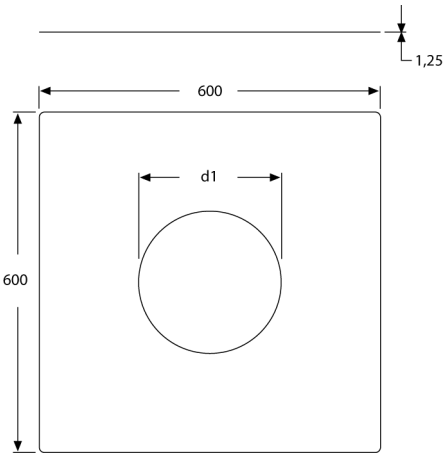
Reinforcement plate



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.

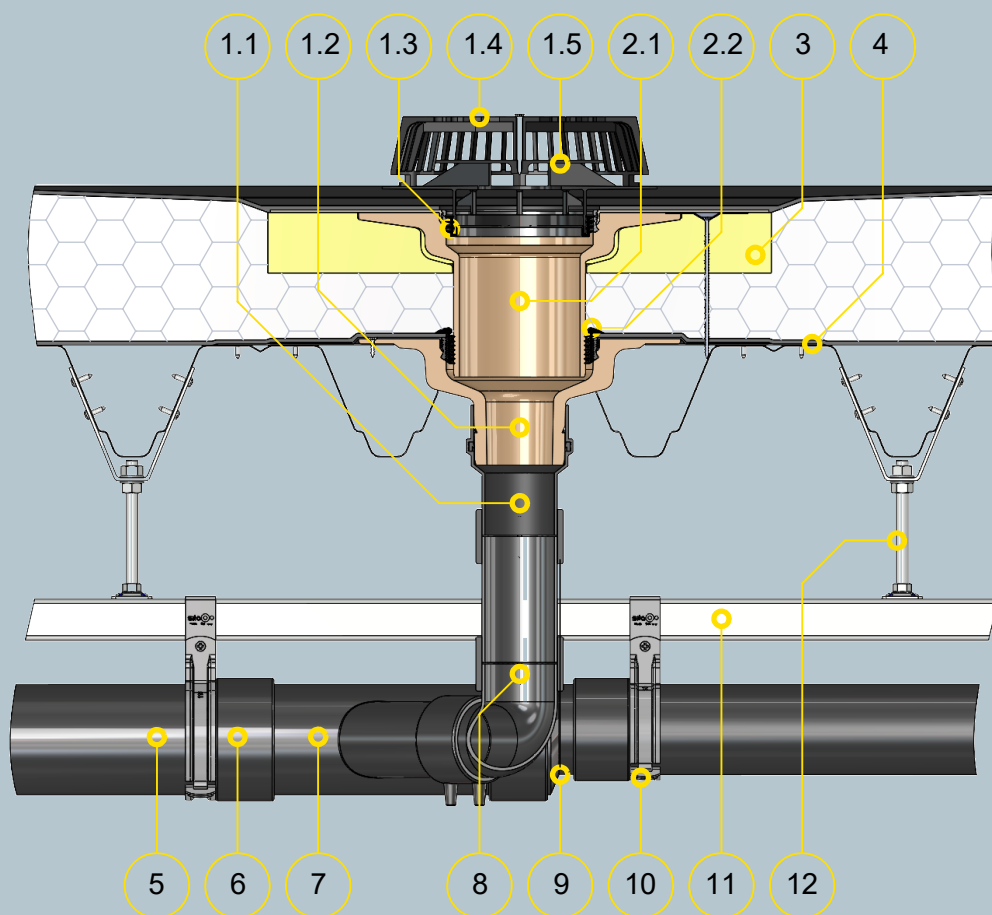
Technical drawing



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

SitaDSS Profi / SitaDSS Profi screw- on flange

SitaDSS Profi in a non-ventilated roof structure



SitaDSS Profi

Components

1 SitaMore reinforcement plate

SitaDSS Profi consisting of:

- 2.1 PE plug-in coupler snap-on ring
- 2.2 Base body
- 2.3 Fastening ring for Airstop
- 2.4 Dome grate
- 2.5 Airstop

SitaDSS Profi extension unit consisting of:

- 3.1 Base body
- 3.2 Sealing ring

4 SitaDSS Profi insulating body for extension unit

5 SitaDSS Rail mounting rail

6 SitaDSS Rail suspension unit

7 SitaDSS Clamp

8 SitaPipe PE electrofusion socket

9 SitaPipe PE branch

10 SitaPipe PE bend

11 SitaPipe PE reduction piece

12 SitaPipe PE pipe

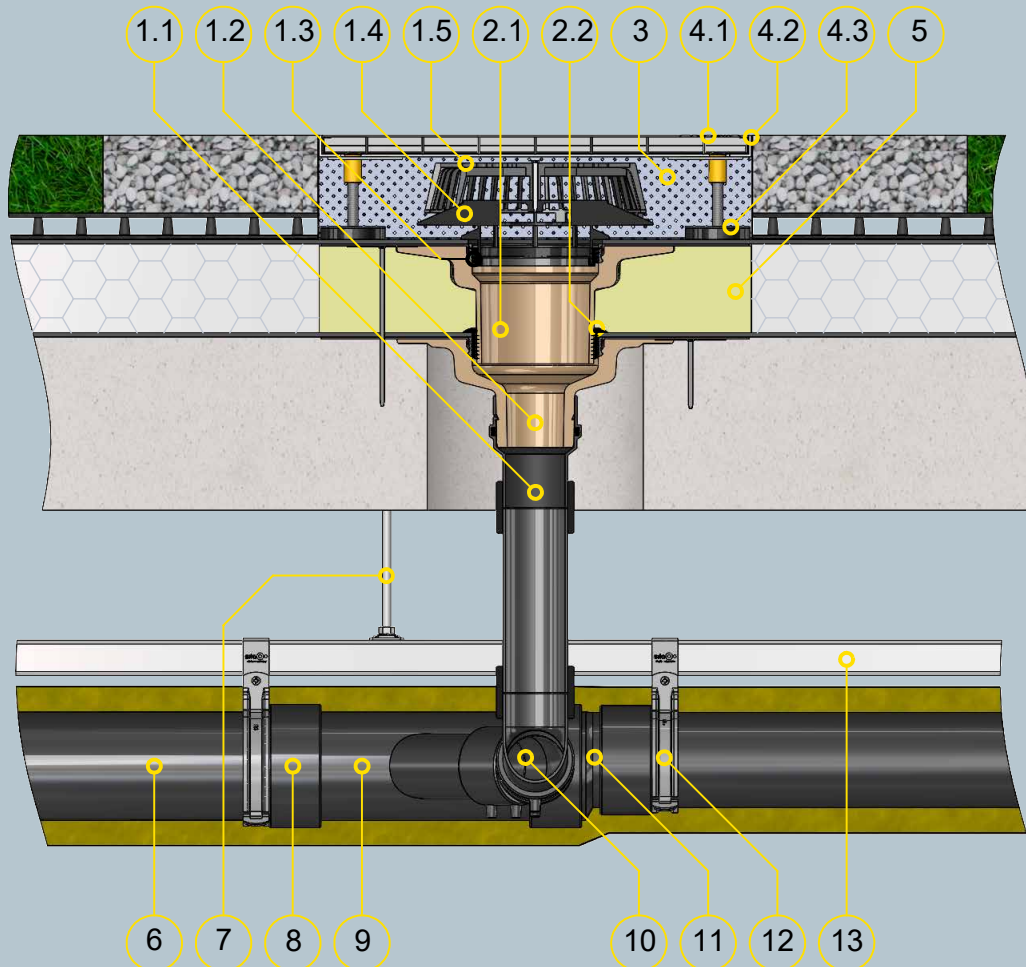
Roof structure

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

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

SitaDSS Profi / SitaDSS Profi screw- on flange

SitaDSS Profi in a non-ventilated roof structure with greenery for main drainage



Components

SitaDSS Profi consisting of:

- 1.1 PE plug-in coupler with snap-on ring
- 1.2 Base body
- 1.3 Fastening ring for Airstop
- 1.4 Airstop
- 1.5 Dome grate

2 SitaDrain® gravel strip

SitaDSS Profi extension unit consisting of:

- 3.1 Base body
- 3.2 Sealing ring

- 4 SitaDSS Profi insulating body for extension unit
- 5 SitaPipe PE pipe
- 6 SitaDSS Rail suspension unit
- 7 SitaPipe PE electrofusion socket
- 8 SitaPipe PE branch
- 9 SitaPipe PE reduction piece
- 10 SitaDSS Clamp
- 11 SitaPipe PE pipe
- 12 SitaDSS Rail mounting rail

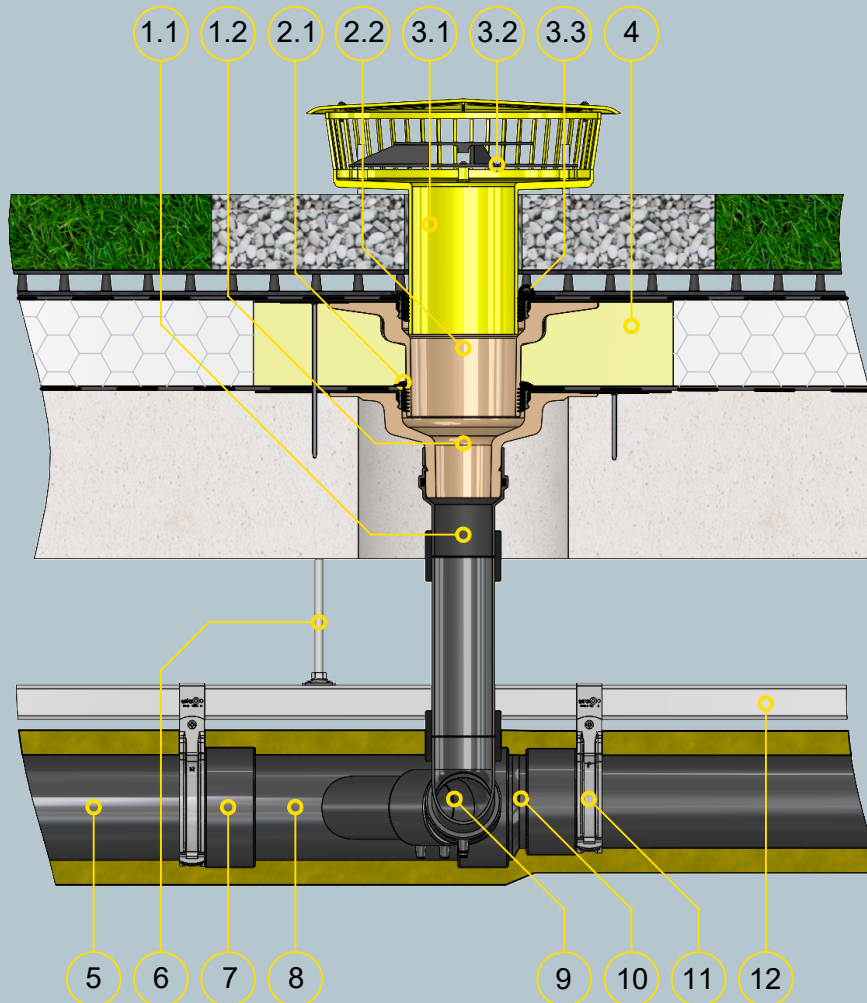
Roof structure

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

- + Roof greenery according to system supplier
- + Filter fabric
- + Drainage mat
- + Protective mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

SitaDSS Profi / SitaDSS Profi screw- on flange

SitaDSS Profi in a non-ventilated roof structure with greenery for emergency drainage



SitaDSS Profi

Components

SitaDSS Profi consisting of:

- 1.1 PE plug-in coupler with snap ring
- 1.2 Base body

SitaDSS Profi retaining element consisting of:

- 2.1 Sealing ring
- 2.2 Base body
- 2.3 Airstop

- 3 SitaDrain® gravel strip

SitaDSS Profi extension unit consisting of:

- 4.1 Base body

4.2 Sealing ring

- 5 SitaDSS Profi insulating body for extension unit
- 6 SitaPipe PE pipe
- 7 SitaDSS Rail suspension unit
- 8 SitaPipe PE electrofusion socket
- 9 SitaPipe PE branch
- 10 SitaPipe PE reduction piece
- 11 SitaDSS Clamp
- 12 SitaPipe PE pipe
- 13 SitaDSS Rail mounting rail

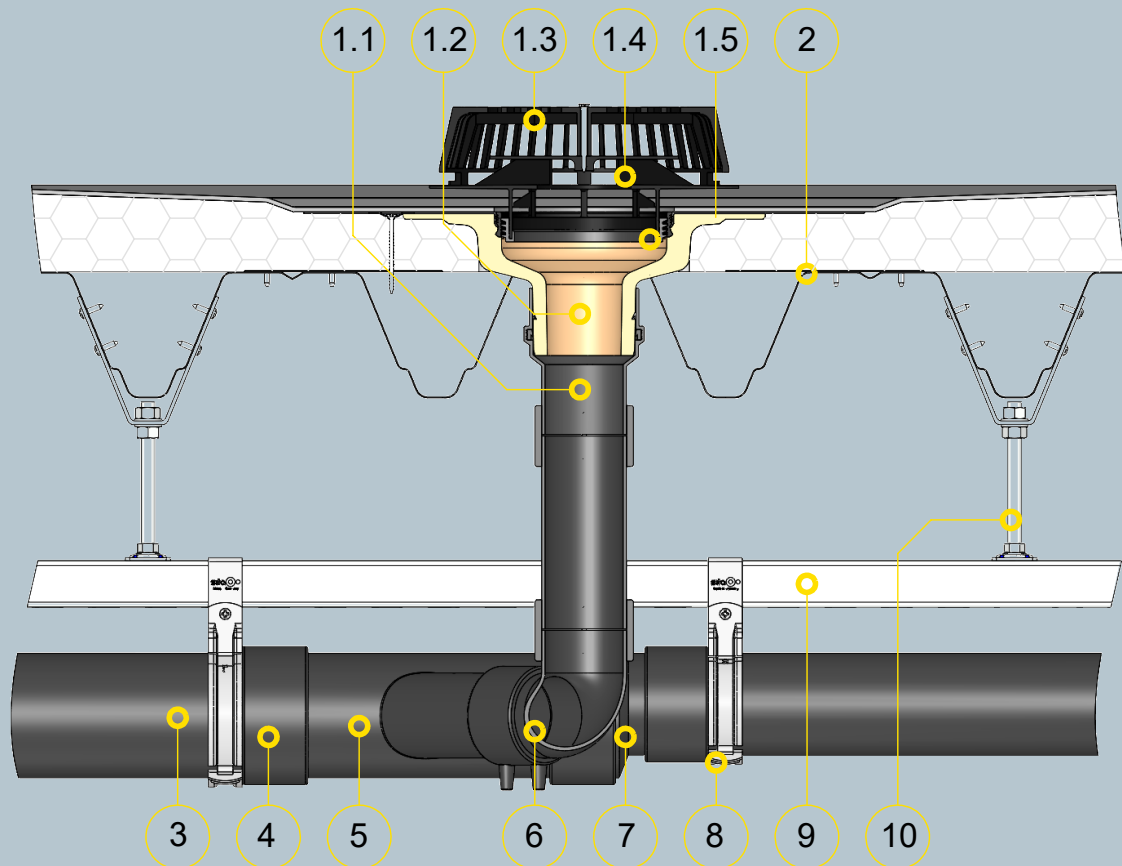
Roof structure

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

- + Roof greenery according to system supplier
- + Filter fabric
- + Drainage mat
- + Protective mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

SitaDSS Profi / SitaDSS Profi screw- on flange

SitaDSS Profi main drainage in non-ventilated roof structures
without vapour barrier and extension unit



SitaDSS Profi

Components

SitaDSS Profi consisting of:

- | | | | |
|-----|--------------------------------------|----|------------------------------|
| 1.1 | PE plug-in coupler with sealing ring | 8 | SitaDSS Clamp |
| 1.2 | Base body | 9 | SitaDSS Rail mounting rail |
| 1.3 | Dome grate | 10 | SitaDSS Rail suspension unit |
| 1.4 | Airstop | | |
| 1.5 | Fastening ring for Airstop | | |
| 2 | SitaMore reinforcement plate | | |
| 3 | SitaPipe PE pipe | | |
| 4 | SitaPipe PE electrofusion socket | | |
| 5 | SitaPipe PE branch | | |
| 6 | SitaPipe PE bend | | |
| 7 | SitaPipe PE reduction piece | | |

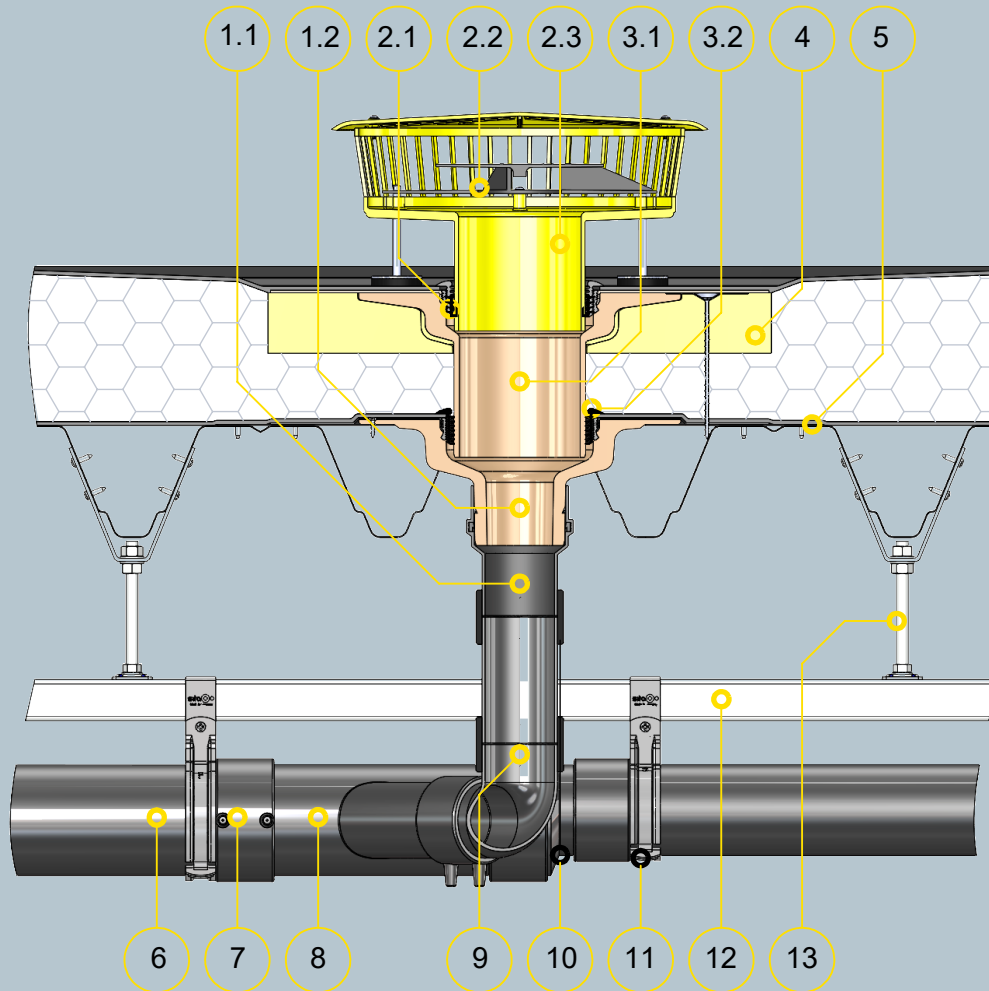
Roof structure

Non-ventilated roof structure with:

- + Waterproofing
- + Thermal insulation
- + Substructure

SitaDSS Profi / SitaDSS Profi screw- on flange

SitaDSS Profi with SitaDSS Profi retaining element for emergency
drainage in a non-ventilated roof structure



SitaDSS Profi

Components

- 1** SitaMore reinforcement plate

SitaDSS Profi consisting of:

- 2.1** PE plug-in coupler with snap-on ring
2.2 Base body

SitaDSS Profi extension unit consisting of:

- 3.1** Base body
3.2 Sealing ring

SitaDSS Profi retaining element consisting of:

- 4.1** Airstop
4.2 Sealing ring

- 4.3** Base body

- 5** SitaDSS Profi insulating body for extension unit
6 SitaDSS Rail mounting rail
7 SitaDSS Rail suspension unit
8 SitaDSS Clamp
9 SitaDSS PE electrofusion socket
10 SitaDSS PE branch
11 SitaDSS PE bend
12 SitaDSS PE reduction piece
13 SitaDSS PE pipe

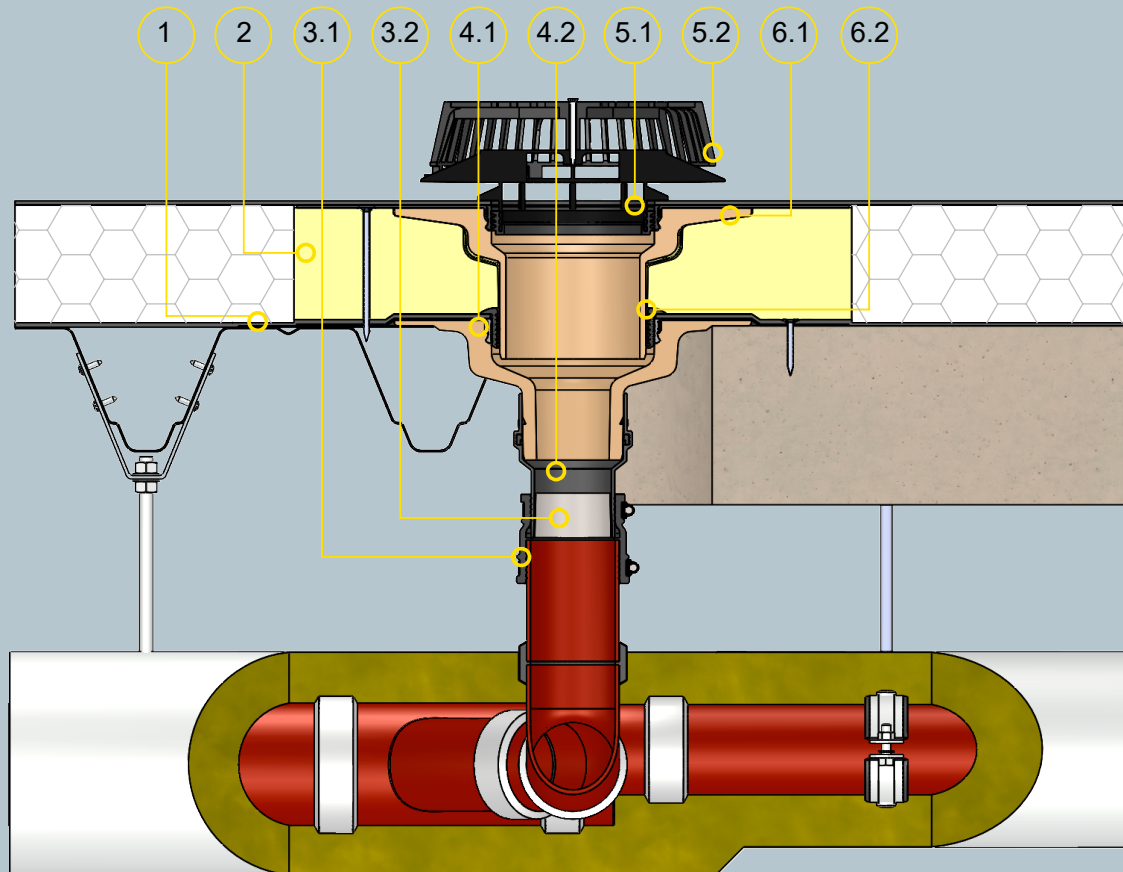
Roof structure

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

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

SitaDSS Profi / SitaDSS Profi screw- on flange

SitaDSS Profi with SitaMore transition connector set in a non-ventilated roof structure



SitaDSS Profi

Components

- 1 SitaMore reinforcement plate
- 2 SitaDSS Profi insulating body for extension unit

SitaMore transition connector set consisting of:

- 3.1 EPDM/V2A connector
- 3.2 Support ring made of rust-proof stainless steel

(Sufficient fastening of the pipe system to the building structure must be ensured on site.)

SitaDSS Profi consisting of:

- 4.1 PUR base body for outlet

- 4.2 Plug-in coupler with seal

SitaDSS Airstop consisting of:

- 5.1 Airstop with fastening ring
- 5.2 Dome grate with installation screw

SitaDSS Profi extension unit consisting of:

- 6.1 PUR base body extension unit
- 6.2 Sealing ring for extension unit

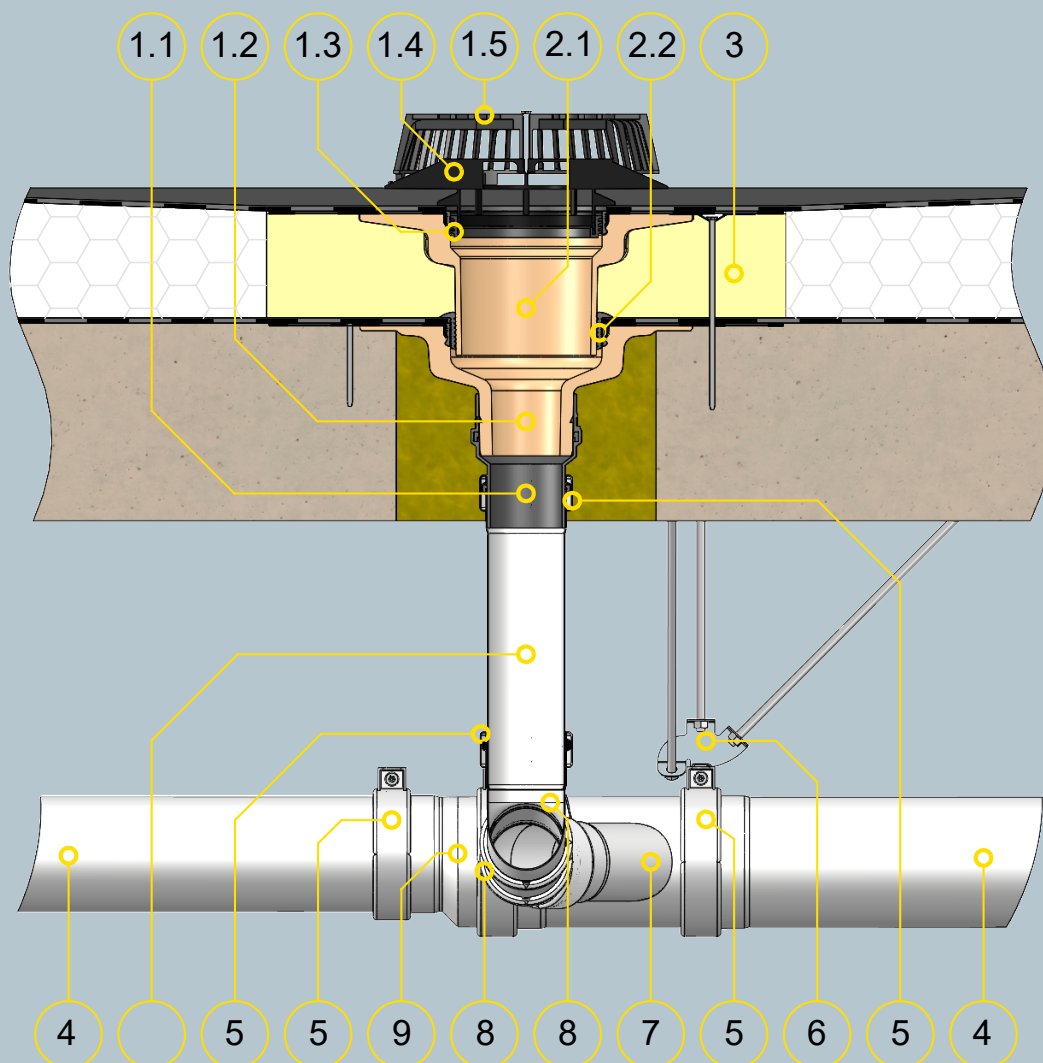
Roof structure

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

- + Waterproofing
- + Thermal insulation
- + Vapour barrier
- + Substructure

SitaDSS Profi / SitaDSS Profi screw- on flange

SitaDSS Profi and SitaPipe stainless steel pipe system for main drainage in non-ventilated roof structures



SitaDSS Profi

Components

SitaDSS Profi with Airstop consisting of:

- 1.1 PE plug-in coupler
- 1.2 Base body
- 1.3 Fastening ring for Airstop
- 1.4 Airstop
- 1.5 Dome grate

SitaDSS Profi extension unit consisting of:

- 2.1 Base body
- 2.2 Sealing ring
- 3 SitaDSS Profi insulating body for extension unit

- 4 SitaPipe stainless steel pipe
- 5 SitaPipe stainless steel safety clamp
- 6 SitaPipe stainless steel mounting bracket
- 7 SitaPipe stainless steel branch 45°
- 8 SitaPipe stainless steel bend
- 9 SitaPipe stainless steel transition eccentric

Roof structure

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

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