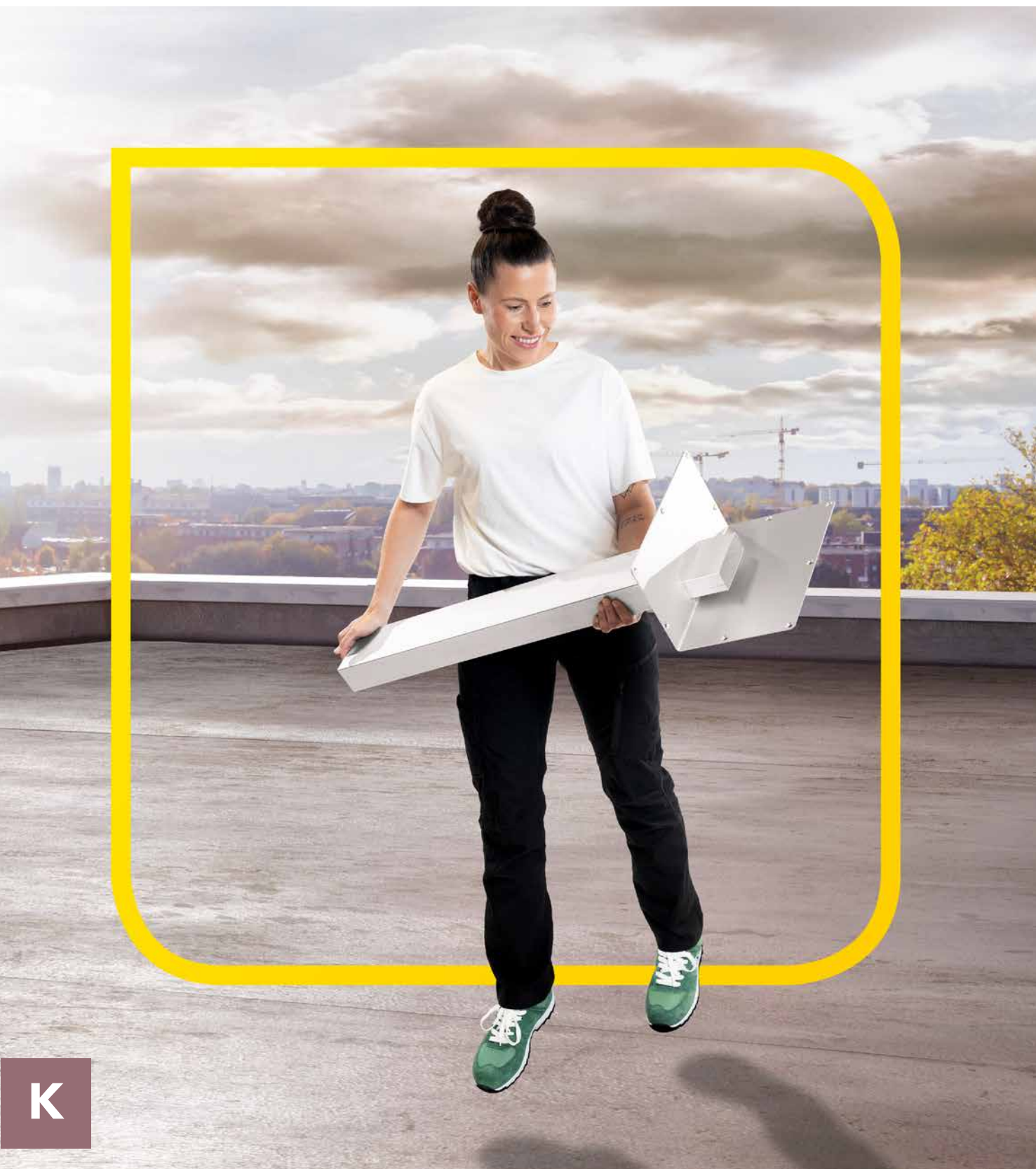
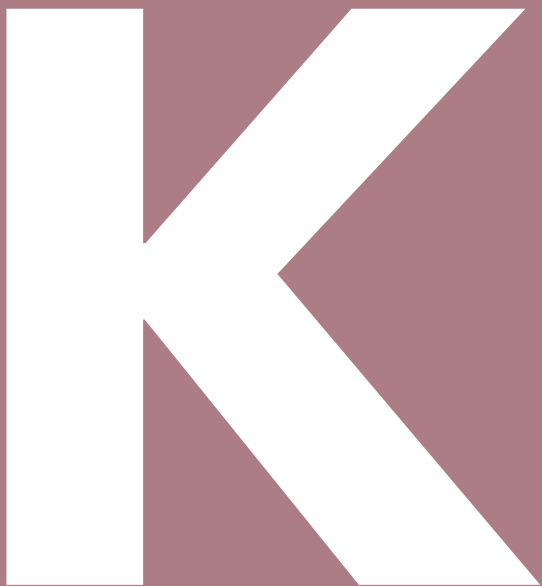


Sitaleicht.
Cascade drainage.



K

leicht entwässern.



for Cascade drainage:

Sita cascade drainage is compliant with standards.

It discharges rainfall in a controlled manner in a closed system to the point of transfer to the sewer system or to surfaces that can be flooded without causing damage. Thus, it offers planning certainty and enables uncomplicated installation due to the simple component systems. Concealed pipe installation allows for aesthetic solutions and individual freedom, e.g. in the design of the terrace surface structure.

1

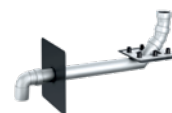
Why Cascade drainage?

- 03 Safety at all levels.
- 05 The principle of Cascade drainage.

2

Products**08 Decision matrix** Regulations**10 SitaKaskade Inside**

- 12 Product details
- 18 Installation examples

**19 SitaKaskade Flat**

- 21 Product details
- 32 Installation examples

**33 SitaKaskade Pipe penetration Fluid**

- 35 Product details
- 39 Installation examples



- 44 Product details
- 45 Sita product range

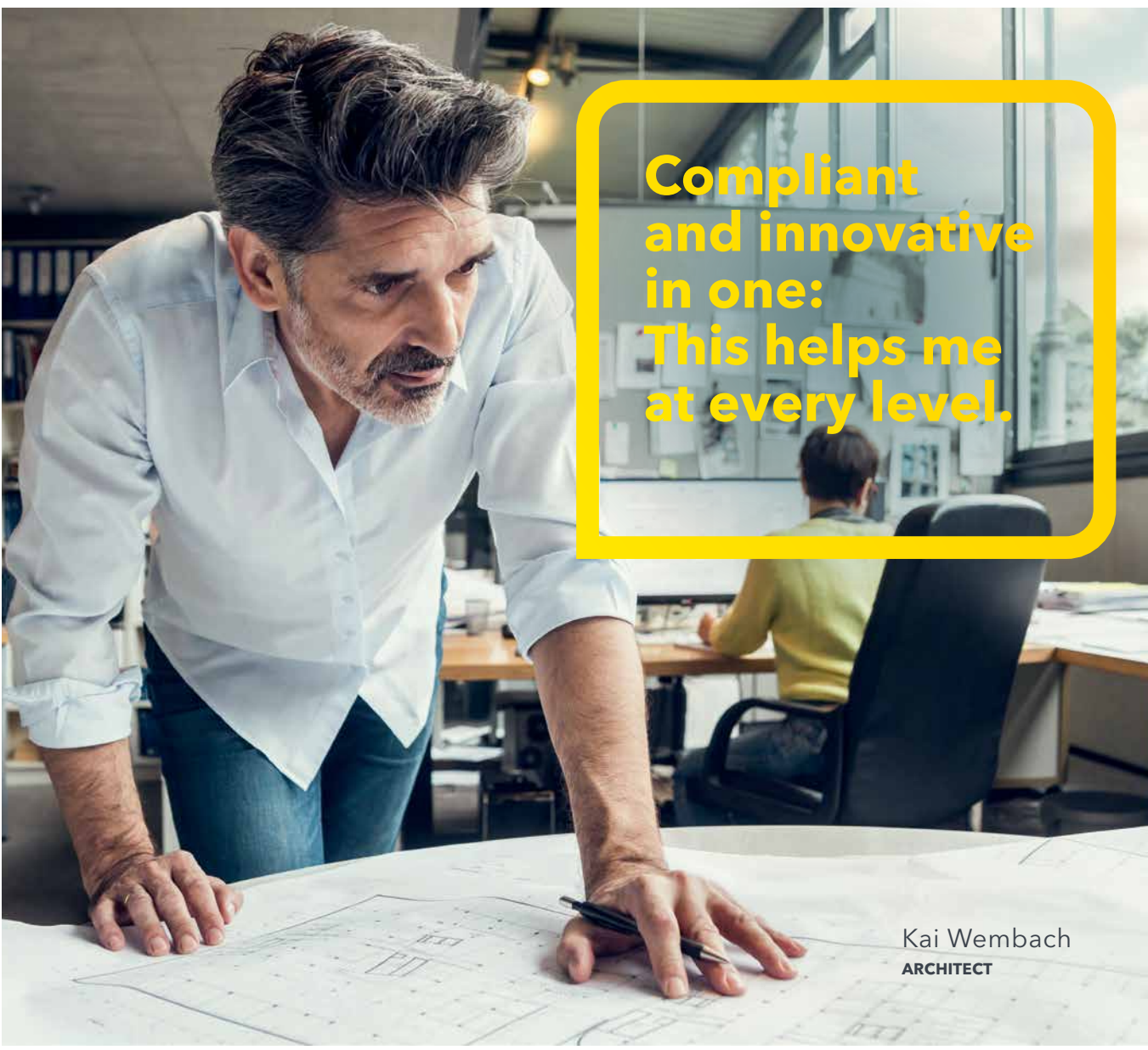
3

Sitaleicht

- 47 Sita calculation service
- 50 Sita contacts

SitaKaskade - Safety at all levels.

Sita is a forwarder. From a regulatory perspective, drainage on lower roof areas has been a grey area up to now. Not anymore: SitaKaskade component systems are architecturally innovative - yet they allow you to build in full compliance with standards. The self-contained systems drain rainwater in a controlled manner - step by step, to the transfer point into the sewer system or to areas that can be flooded without causing damage.

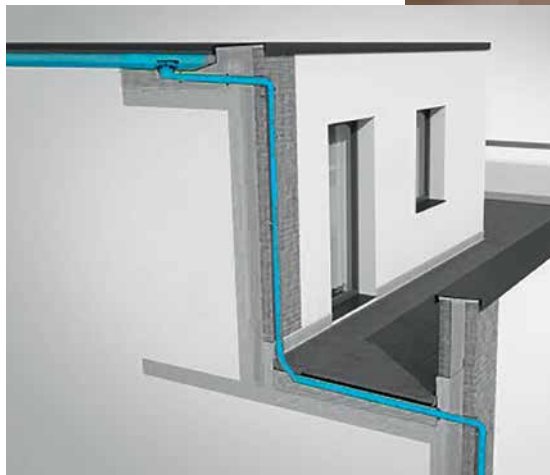


**Compliant
and innovative
in one:
This helps me
at every level.**

Kai Wembach
ARCHITECT

**A stepped balcony facade?
Staggered storeys across several
floors? Extensions in unfavour-
able locations?**

The SitaKaskade is based on a modular system that is individually tailored to your construction project. This makes it easy for you to implement a standard-compliant cascade drainage system.



Cascade drainage –
Residential complex in Duisburg-Rumeln

+ Good to know.

High-performance Sita component system

You receive cascade system solutions with drainage volumes of up to 18.4 l/s.

Innovation - visually clean

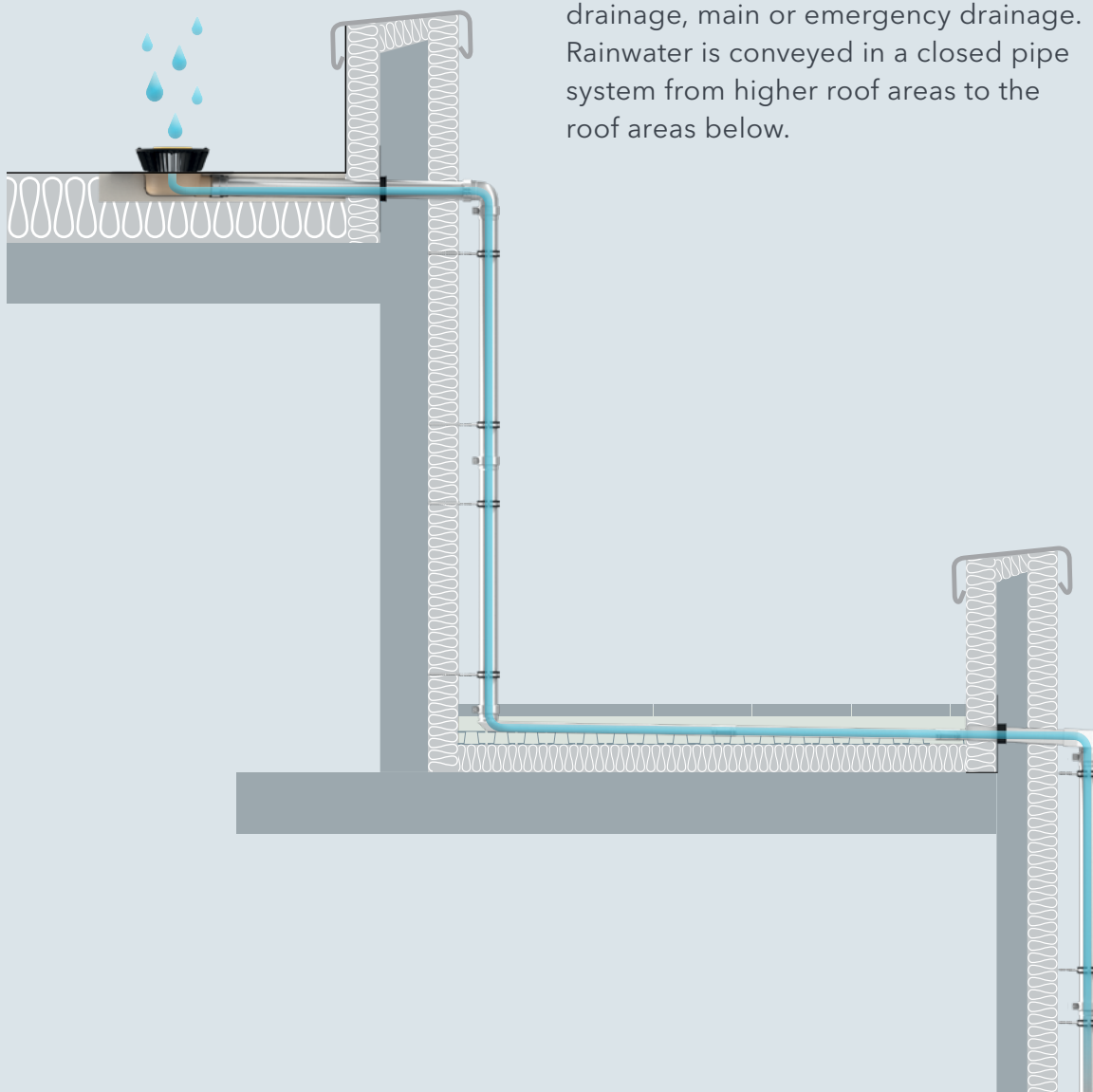
For visually perfect results: the horizontal pipes are concealed.

legal certainty

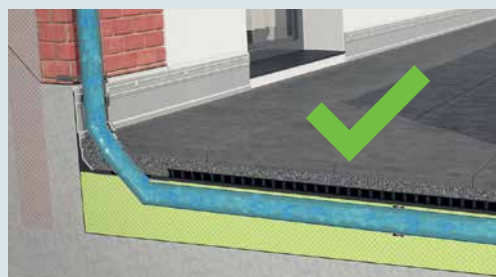
Legal certainty for the first time: the SitaKaskade complies with standards. Thanks to the Sita component system, you can be confident in your planning and installation.

The principle of cascade drainage.

Whether as conventional or siphonic drainage, main or emergency drainage. Rainwater is conveyed in a closed pipe system from higher roof areas to the roof areas below.



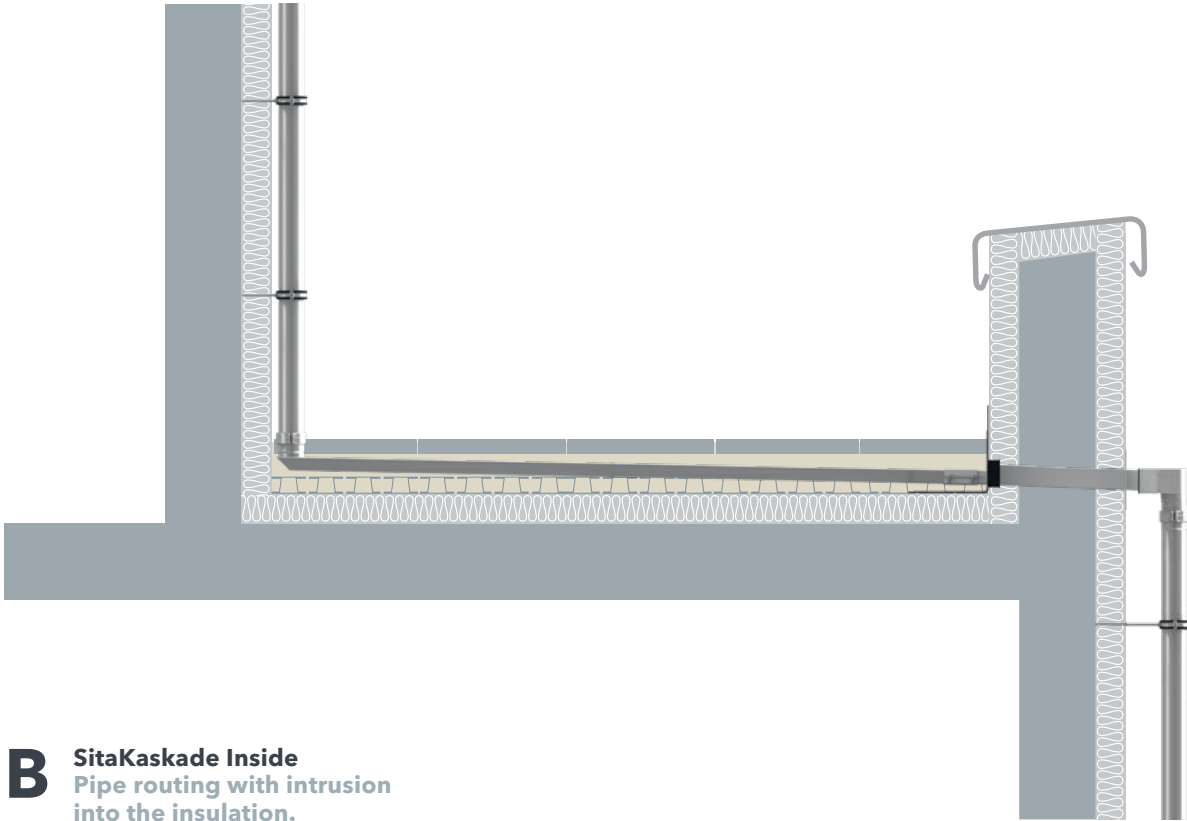
Without SitaKaskade there is a risk of flooding in lower-lying areas and static overload. Drainage pipes laid over the paving slabs pose a risk of accidents.



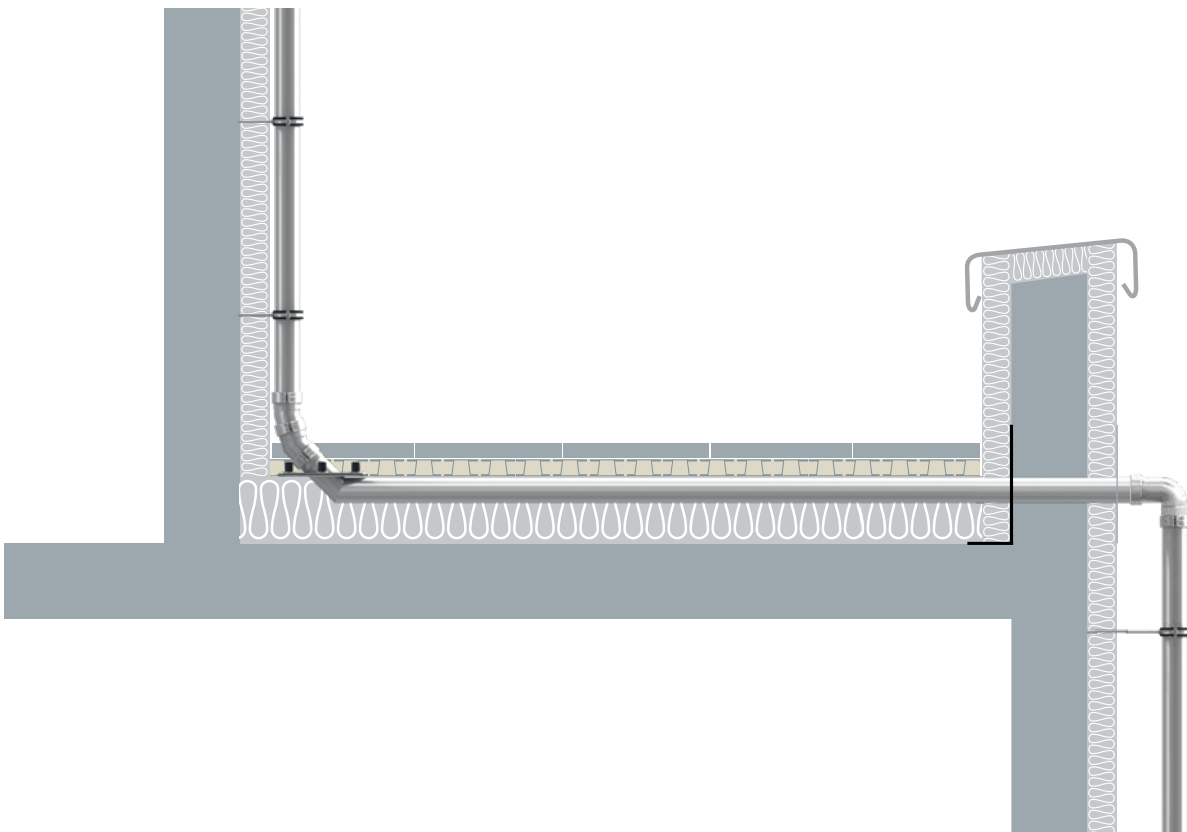
With SitaKaskade you can achieve safe installation and an aesthetic solution thanks to the standard-compliant component system: the pipe is laid invisibly.

Sita Cascade drainage ensures standard-compliant and controlled drainage of rain-water. Whether inside or outside the insulation, Sita offers the right solution for every requirement.

A SitaKaskade Flat
Pipe routing without intrusion
into the insulation.



B SitaKaskade Inside
Pipe routing with intrusion
into the insulation.



An easy decision.

Type of drainage	Above the thermal insulation	within the thermal insulation	Connection DN 70
Conventional- and Siphonic drainage			
Conventional- and Siphonic drainage			
Conventional- and Siphonic drainage			
Conventional- and Siphonic drainage			

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

Connection DN 100	Can be combined with SitaPipe PE	Material properties	
		Rust-proof stainless steel	
		Rust-proof stainless steel	
		Rust-proof stainless steel	
		Rust-proof stainless steel	

Matrix

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

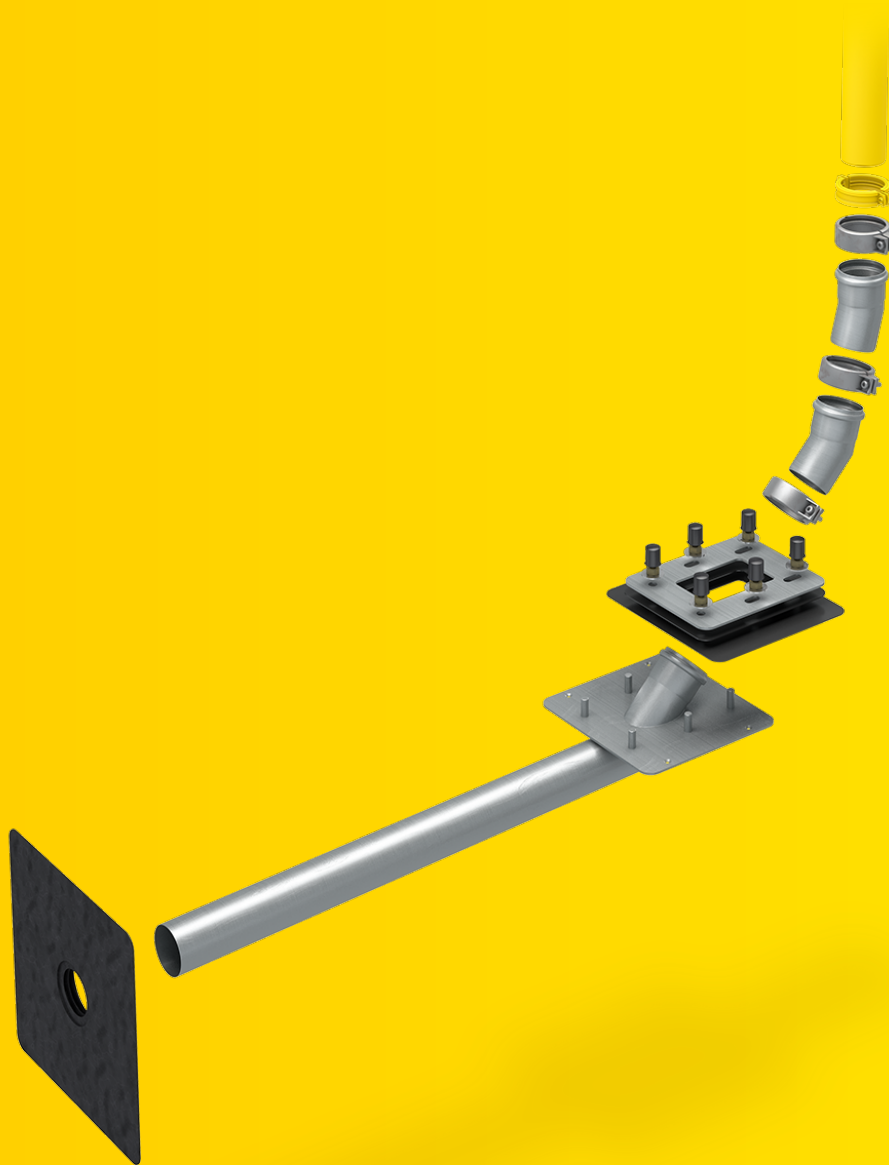
DDH regulation
Regulations for roofs with
waterproofing membranes

FLL Guideline
For planning, building and maintaining
roof greenings

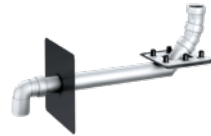
Industrial Construction Guideline
Guideline for fire protection
in industrial buildings

SitaKaskade Inside

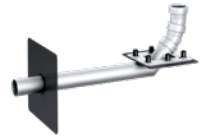
Innovative and standard-compliant.



- + Legal certainty for the first time - SitaKaskade Inside conforms with standards
- + Planning certainty and safe installation with component system
- + Aesthetic solution for challenging architecture - invisible pipe routing
- + No restrictions in the individual design of the terrace surface structure



SitaKaskade Inside
for downspout



SitaKaskade Inside
as waterspout



SitaAttika
Cladding cover plate



SitaMore
Sealing sleeve

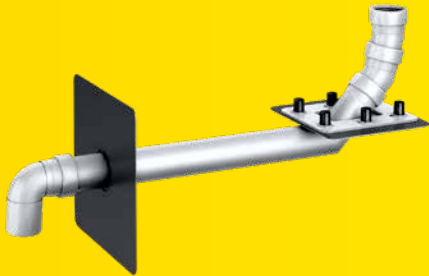
SitaKaskade Inside

Product features at a glance:

Product features

Applications	For main and emergency drainage as standard-conformant cascade drainage
Material	Rust-free stainless steel
Material class	Euroclass A1 /A1 non-flammable
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.

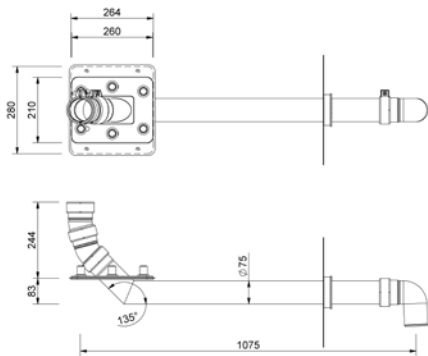
SitaKaskade Inside for downspout



Tender text

SitaKaskade Inside for downpipe, for safe movement of rainwater from higher roof areas via the lower-lying roof areas, consisting of the SitaKaskade Inside for routing the DN 70 pipe system through the thermal insulation, with pre-drilled holes for fastening of the component in the substructure, with screw-on flange construction with two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes, six M12 threaded rods and washers and hexagonal nuts, SitaMore vapour barrier plate flex, SitaPipe stainless steel bend 87.5°, SitaPipe stainless steel bend 30°, SitaPipe stainless steel bend 15°, 4 pcs. SitaPipe stainless steel safety clamp, size DN 70, supply and install to professional standards.

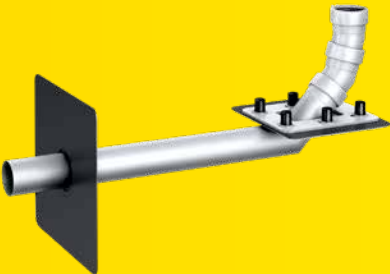
Technical drawing



DN	OD*	Recess dimension (mm x mm)	Article number
70	75	1075 x 75	33 02 99

* OD = Outer diameter (mm)

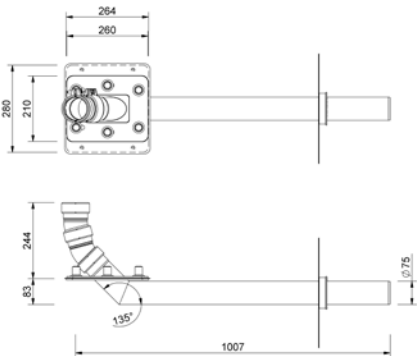
SitaKaskade Inside as waterspout



Tender text

SitaKaskade Inside as waterspout, for safe movement of rainwater from higher roof areas via the lower-lying roof areas, consisting of the SitaKaskade Inside for routing the DN 70 pipe system through the thermal insulation, with pre-drilled holes for fastening of the component in the substructure, with screw-on flange construction with two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes, six M12 threaded rods and washers and hexagonal nuts, SitaMore vapour barrier plate flex, SitaPipe stainless steel bend 30°, SitaPipe stainless steel bend 15°, 3 pcs. SitaPipe stainless steel safety clamp, size DN 70, supply and install to professional standards.

Technical drawing

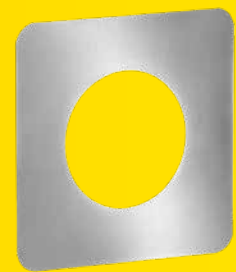


DN	OD*	Recess dimension (mm x mm)	Article number
70	75	1011 x 75	33 03 99

* OD = Outer diameter (mm)

SitaAttika

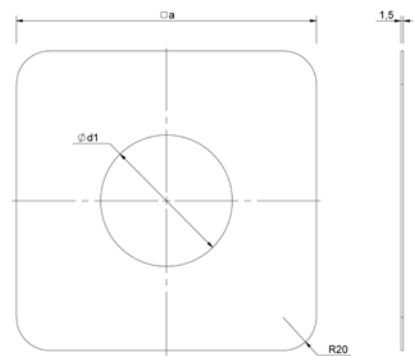
Cladding cover plate



Tender text

SitaAttika cladding cover plate, made of rust-proof stainless steel, material number 1.4301, to cover the parapet or wall opening in sizes DN 50 to DN 200, material thickness 1.5 mm, supply and install to professional standards.

Technical drawing



DN	a (mm)	d1 (mm)	Article number
50	155	54	E 18 90 25
70	180	79	E 18 90 26
100	215	114	E 18 90 27
125	230	129	E 18 90 28
150	265	165	E 18 90 29
200	303	203	E 18 90 45

SitaMore

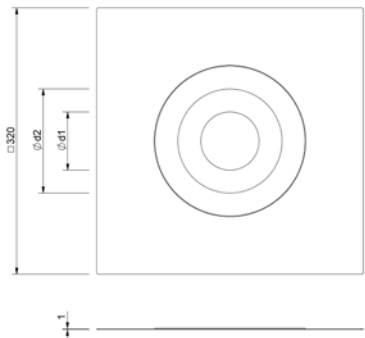
Sealing sleeve



Tender text

SitaMore sealing sleeve for WDVS, made of fleece-butyl, one-part render-compatible air sealing sleeve designed to be concealed in plastic, for the rapid and airtight sealing of pipe fairleads in the thermal insulation composite system according to DIN 4108-7 and GEG, in sizes DN 70 and DN 100, measuring 320 x 320 mm, with highly flexible EPDM seal, self-adhesive render-compatible fleece butyl collar for permanent bonding to the substrate (adhesion primer may be necessary) and between the fleece bonding surface and the render, supply and install to professional standards.

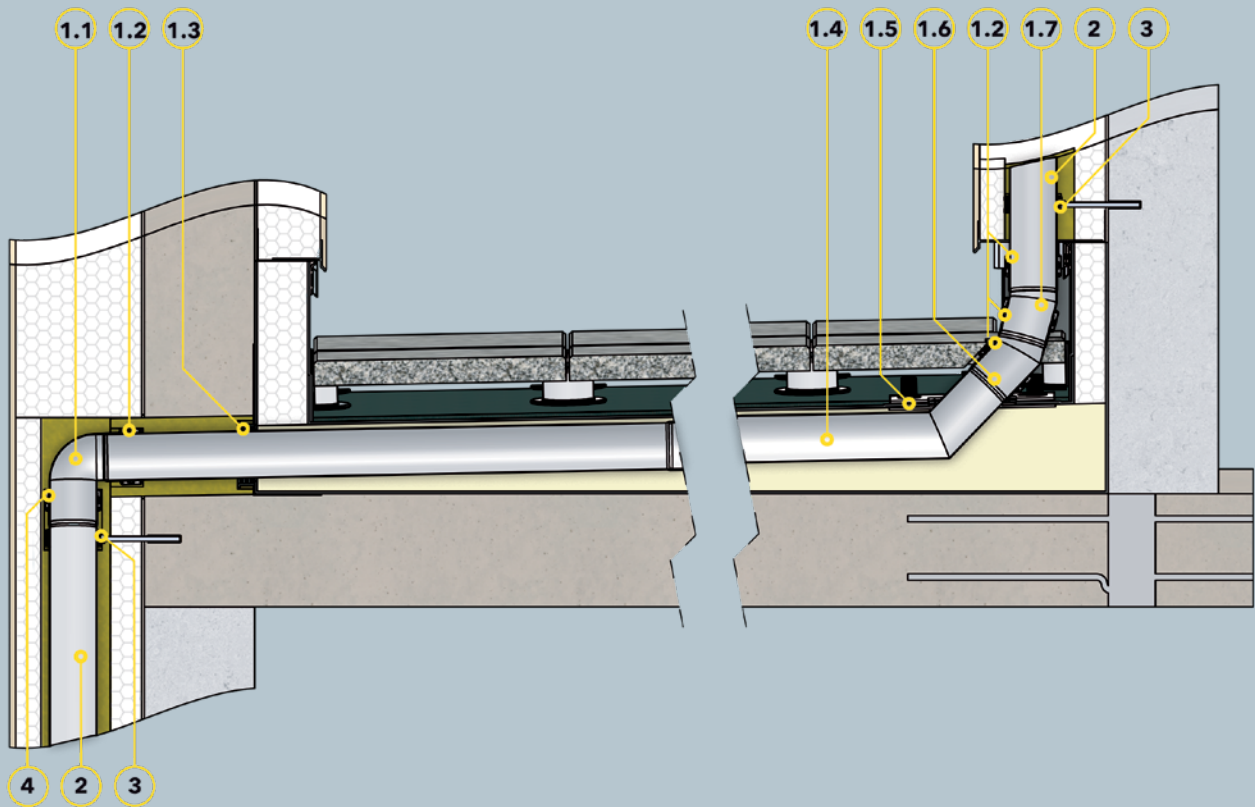
Technical drawing



DN	d1 (mm)	d2 (mm)	Article number
70	45	110	18 00 75
100	70	125	18 00 11

SitaKaskade Inside

SitaKaskade Inside in a non-ventilated roof structure and paving on support pads with transition to downpipe in the thermal insulation composite system



SitaKaskade
Inside

Components

SitaKaskade Inside for downpipe consisting of:

- 1.1 SitaAttika bend 87.5°
- 1.2 SitaPipe stainless steel safety clamp
- 1.3 SitaMore vapour barrier plate flex
- 1.4 SitaKaskade Inside
- 1.5 SitaKaskade Inside loose flange with sealing sleeves, nuts, flat washers and protective caps
- 1.6 SitaPipe stainless steel bend 30°
- 1.7 SitaPipe stainless steel bend 15°
- 2 SitaPipe stainless steel pipe
- 3 SitaPipe stainless steel pipe clamp
- 4 SitaPipe stainless steel safety clamp

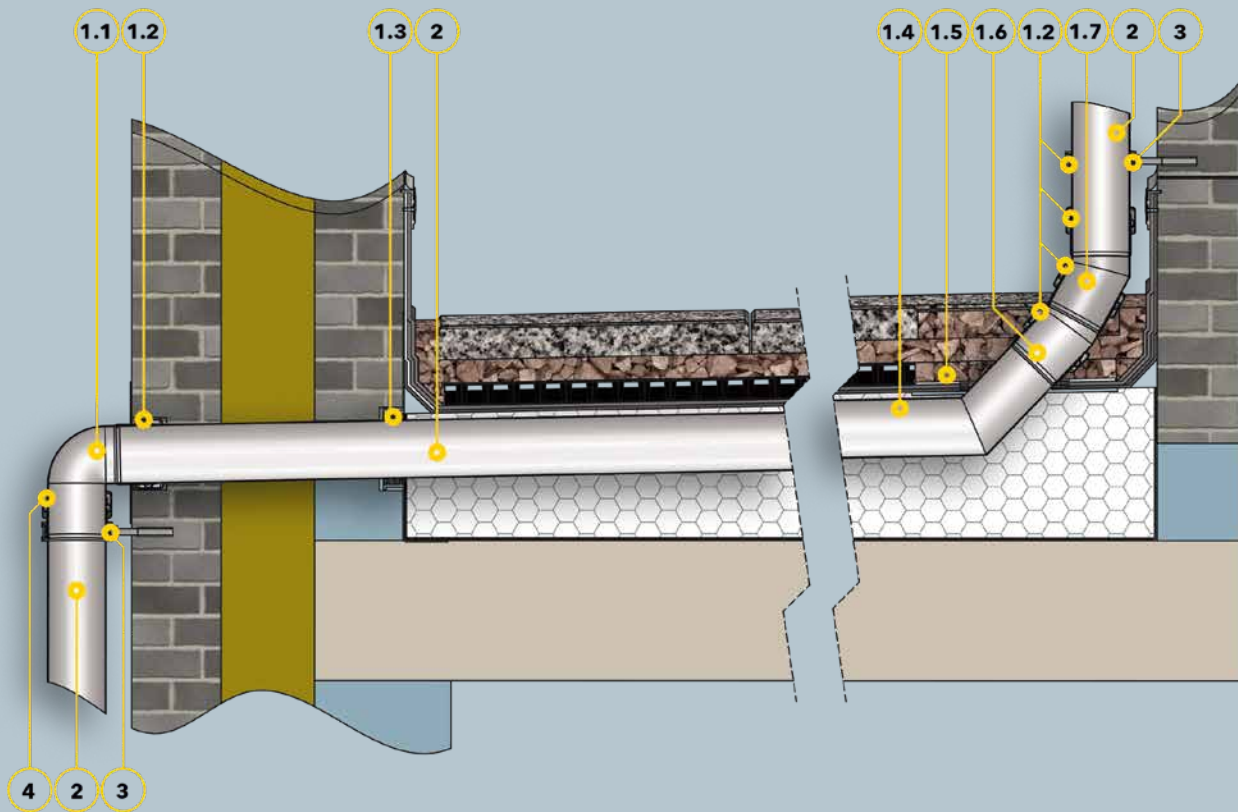
Roof structure

Non-ventilated roof structure with slab paving on support pads to the general rules of engineering with:

- + Slab paving on support pad
- + Protective mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

SitaKaskade Inside

SitaKaskade Inside with transition to downpipe in a non-ventilated roof structure with terrace surface



SitaKaskade
Inside

Components

SitaKaskade Inside for downpipe consisting of:

- 1.1** SitaAttika bend 87.5°
- 1.2** SitaPipe stainless steel safety clamp
- 1.3** SitaMore vapour barrier plate flex
- 1.4** SitaKaskade Inside
- 1.5** SitaKaskade Inside loose flange with sealing sleeves, nuts, flat washers, protective caps
- 1.6** SitaPipe stainless steel bend 15°
- 1.7** SitaPipe stainless steel bend 30°
- 2** SitaPipe stainless steel pipe
- 3** SitaPipe stainless steel pipe clamp
- 4** SitaPipe stainless steel safety clamp

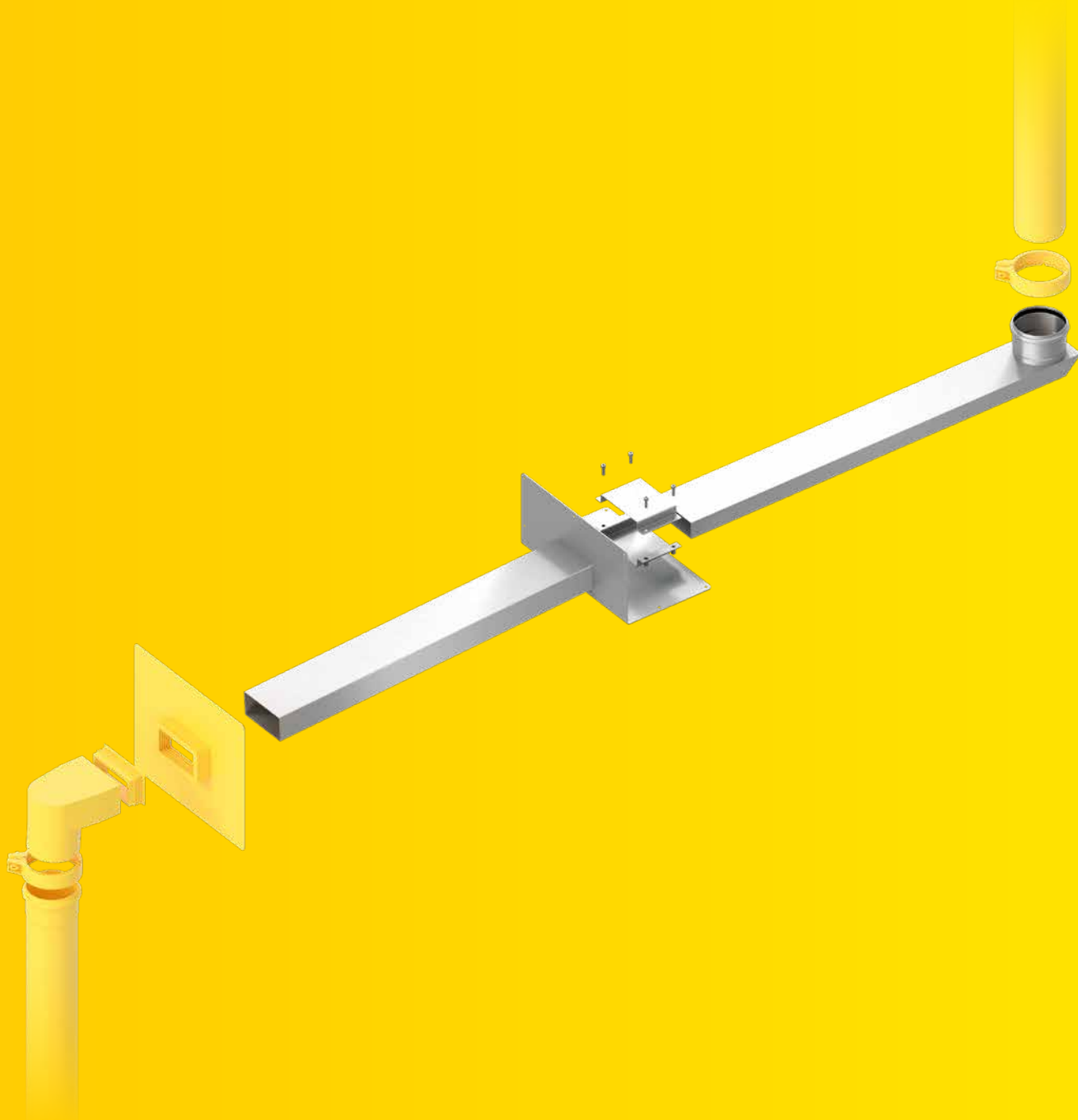
Roof structure

Non-ventilated roof structure with slab paving on a gravel bed to the general rules of engineering with:

- + Slab paving in gravel bed
- + Drainage mat
- + Protective fabric
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure
- + Parapet lead-through with joint tape

SitaKaskade Flat

Flat. High performance. Systematic.



SitaKaskade
Flat

- + For safe cascade drainage below the slab paving
- + Compatible with the SitaPipe stainless steel pipe system
- + Integrated coupler for easy and reliable connection of the downpipe
- + With adhesive flange for liquid applied waterproofing
- + As waterspout or in combination with the SitaTurbo adapters



SitaKaskade Flat
Bend



SitaKaskade Flat
Connector



SitaKaskade Flat
Downpipe holder



SitaKaskade Flat
Flat channel



SitaKaskade Flat
Parapet lead-through



SitaTurbo
Adapter on SitaPipe
stainless steel pipe



SitaTurbo
Adapter to round
zinc pipe according
to DIN EN 612



SitaTurbo
Adapter to rectangular
zinc pipe



SitaTurbo
Vapour barrier plate



SitaTurbo
Cladding cover
plate 220 x 180

SitaKaskade Flat

Product features at a glance:

Product features

Applications	For main and emergency drainage as standard-conformant cascade drainage
Material	Rust-free stainless steel
Material class	Euroclass A1 /A1 non-flammable
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.



Technical drawing

SitaKaskade
Flat

Article number
33 04 00

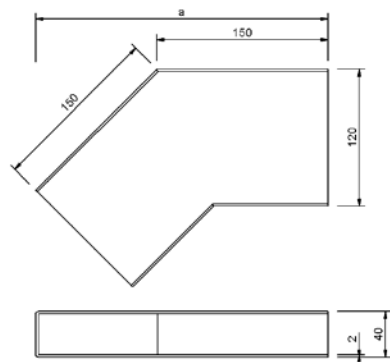
SitaKaskade Flat Bend



Tender text

SitaKaskade Flat bend, made of rust-proof stainless steel, material number 1.4301, pipe cross-section 120 x 40 mm, to divert the flow, supply and install to professional standards.

Technical drawing



Execution	a (mm)	Article number
45°	256	33 04 06
15°	295	33 04 07

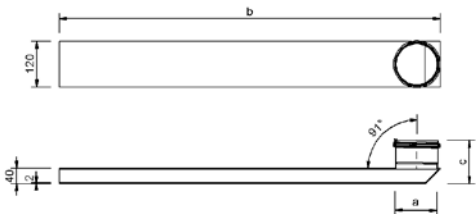
SitaKaskade Flat Downpipe holder



Tender text

SitaKaskade Flat downpipe holder, made of rust-proof stainless steel, material number 1.4301, pipe cross-section 120 x 40 mm, length 1 m or 2 m with welded coupler to hold a SitaPipe stainless steel pipe DN 70 or DN 100, supply and install to professional standards.

Technical drawing



DN	OD*	a (mm)	b (mm)	c (mm)	Article number
70	75	75	1000	106	33 04 04
100	110	110		114	33 04 05
70	75	75	2000	106	33 04 08
100	110	110		114	33 04 09

* OD = Outer diameter (mm)

SitaKaskade Flat

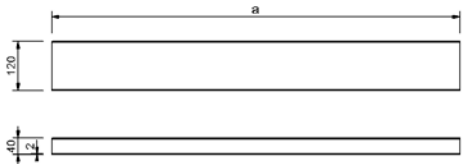
Flat channel



Tender text

SitaKaskade Flat flat channel, made of rust-proof stainless steel, material number 1.4301, pipe cross-section 120 x 40 mm, for spanning longer horizontal flow distances, supply and install to professional standards.

Technical drawing



a (mm)	Article number
2000	33 04 01
1000	33 04 02

SitaKaskade Flat Connector

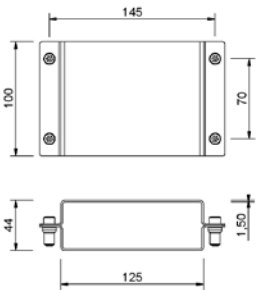


Tender text

SitaKaskade Flat connector, made of rust-proof stainless steel, material number 1.4301, for force-locking and pressure-proof connection of two pipe ends with cross-section 120 x 40 mm, including screw set, supply and install to professional standards.

A universal adhesive and sealant suitable for stainless steel to create a pressure-stable connection must be provided by the customer.

Technical drawing



Article number
33 04 03

SitaTurbo

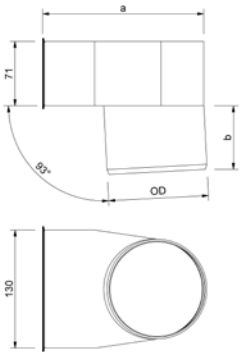
Adapter on SitaPipe stainless steel pipe



Tender text

SitaTurbo transition piece to SitaPipe stainless steel pipe, made of rust-proof stainless steel, material number: 1.4301, for transition from the SitaTurbo parapet outlet to a SitaPipe stainless steel pipe according to DIN EN 1122-2, in sizes DN 50, DN 70, DN 100 and DN 125, with lubricant and sealing ring, supply and install to professional standards.

Technical drawing



DN	OD*	a (mm)	b (mm)	Article number
50	50	115	52	18 91 01
70	75	140	58	18 91 03
100	110	175	70	18 91 05
125	125	190		18 91 07

* OD = Outer diameter (mm)

SitaTurbo

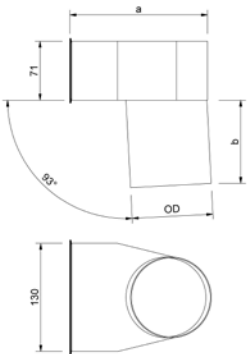
Adapter to round zinc pipe according to DIN EN 612



Tender text

SitaTurbo transition piece to round zinc pipe, made of stainless steel, material number: 1.4301, for transition from the SitaTurbo parapet outlet to a round zinc pipe according to DIN EN 612, in sizes DN 80, DN 100 and DN 125, with lubricant and sealing ring, supply and install to professional standards.

Technical drawing



DN	OD*	a (mm)	b (mm)	Article number
70	75	140	58	18 91 16
80	77	143	100	18 91 08
100	97	163		18 91 09
125	117	183		18 91 10

* OD = Outer diameter (mm)

SitaTurbo

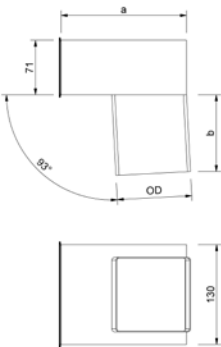
Adapter to rectangular zinc pipe



Tender text

SitaTurbo transition piece to rectangular pipe, made of stainless steel, material number: 1.4301, for transition from the SitaTurbo parapet outlet to a rectangular zinc pipe according to DIN EN 612, with external dimensions 77 mm x 77 mm, 97 mm x 97 mm and 117 mm x 117 mm, with lubricant and sealing ring, supply and install to professional standards.

Technical drawing



Measurement (mm)	a (mm)	b (mm)	Article number
77	142	100	18 91 11
97	163		18 91 12
117	183		18 91 13

SitaTurbo

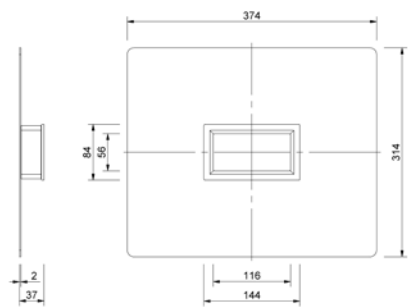
Vapour barrier plate



Tender text

SitaTurbo vapour barrier plate flex, made of EPDM, for SitaTurbo parapet outlet, with reinforcement ring and adhesive flange for a flexible vapour-tight connection of the vapour barrier, supply and install to professional standards.

Technical drawing



Measurement (mm)	Article number
374 x 314	18 61 90

SitaTurbo

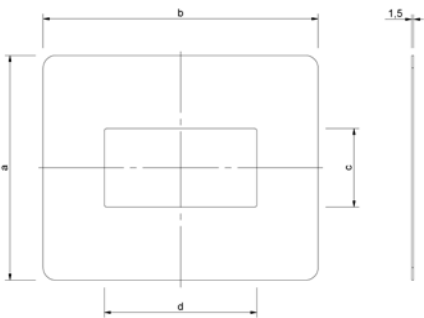
Cladding cover plate



Tender text

SitaTurbo cladding cover plate, made of rust-proof stainless steel, material number 1.4301, to cover the parapet or wall opening for the SitaTurbo parapet outlet with a material thickness of 1.5 mm. For fastening on the external cladding, supply and install to professional standards.

Technical drawing

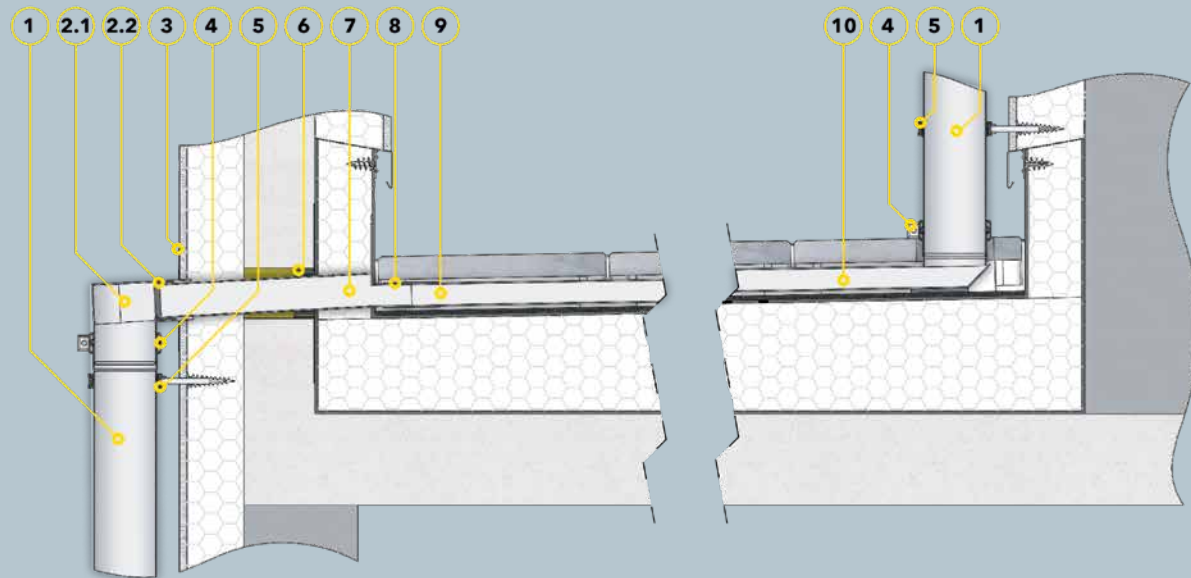


Compatibility	a (mm)	b (mm)	c (mm)	d (mm)	Article number
SitaTurbo, SitaTurbo Max, SitaTurbo Max with retaining ring, SitaKaskade Flat parapet lead-throughg	180	220	63	122	E 18 90 24
	250	250			E 18 90 21
SitaTurbo adapter	180	220	74	133	E 18 90 44*

* for SitaTurbo adapter, hole size 130 x 74 mm

SitaKaskade Flat

SitaKaskade Flat in a non-ventilated roof structure, with a used roof surface



SitaKaskade
Flat

Components

1 SitaPipe stainless steel pipe

SitaTurbo transition piece to SitaPipe stainless steel pipe consisting of:

2.1 Transition piece

2.2 Sealing ring

3 SitaTurbo cladding cover plate

4 SitaPipe stainless steel safety clamp

5 SitaPipe stainless steel pipe clamp

6 SitaTurbo vapour barrier plate

7 SitaKaskade Flat parapet lead-through

8 SitaKaskade Flat connector

9 SitaKaskade Flat flat channel

10 SitaKaskade Flat downpipe holder

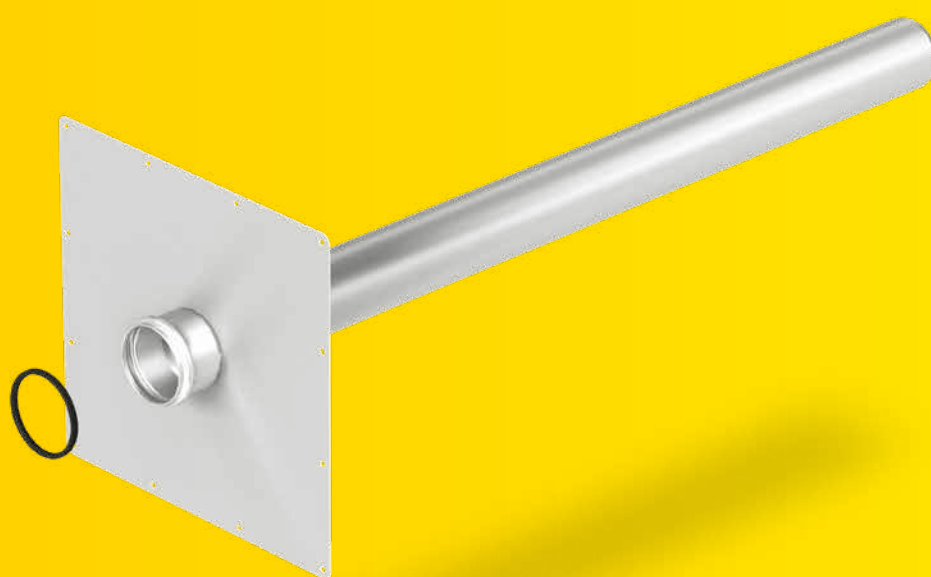
Roof structure

Non-ventilated roof structure with slab paving on support pads to the general rules of engineering with:

- + Slab paving on support pads
- + Protective mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

SitaKaskade lead-through

The safe way to lead pipes through the parapet.



SitaKaskade
Lead through

- + To lead the pipe safely through the parapet
- + Compatible with the SitaPipe stainless steel pipe system
- + Integrated socket for easy and reliable connection
- + With adhesive flange for liquid applied waterproofing



**SitaKaskade
lead-through**
Fluid



SitaAttika
Cladding cover plate



SitaMore
Sealing sleeve

SitaKaskade lead-through

Product features at a glance:

Product features

Applications	For main and emergency drainage as standard-conformant cascade drainage
Material	Rust-free stainless steel
Temperature resistance, min.	-20 °C
Material class	Euroclass A1 /A1 non-flammable
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.

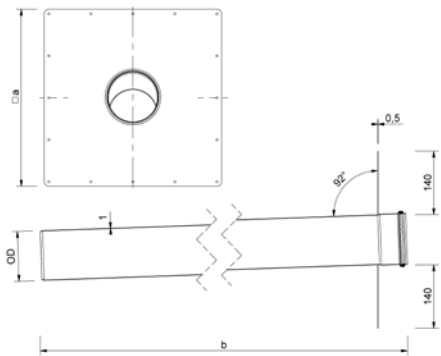
SitaKaskade lead-through Fluid



Tender text

SitaKaskade lead-through Fluid, made of rust-proof stainless steel, material number 1.4301, sizes DN 70 / DN 100, pipe length 1000 mm, to lead the pipe through the parapet with liquid applied waterproofing, with welded coupler to hold a pipe with OD 75 mm / 110 mm, metal sheet trimmed on site for liquid applied waterproofing, supply and install to professional standards.

Technical drawing

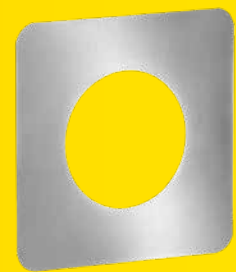


DN	OD*	a (mm)	b (mm)	Article number
70	75	355	1057	18 15 99
100	110	390	1065	18 16 99

* OD = Outer diameter (mm)

SitaAttika

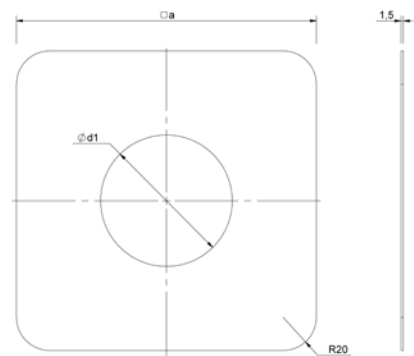
Cladding cover plate



Tender text

SitaAttika cladding cover plate, made of rust-proof stainless steel, material number 1.4301, to cover the parapet or wall opening in sizes DN 50 to DN 200, material thickness 1.5 mm, supply and install to professional standards.

Technical drawing



DN	a (mm)	d1 (mm)	Article number
50	155	54	E 18 90 25
70	180	79	E 18 90 26
100	215	114	E 18 90 27
125	230	129	E 18 90 28
150	265	165	E 18 90 29
200	303	203	E 18 90 45

SitaMore

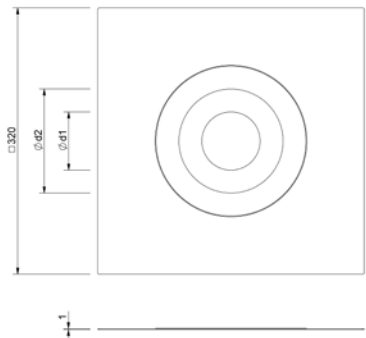
Sealing sleeve



Tender text

SitaMore sealing sleeve for WDVS, made of fleece-butyl, one-part render-compatible air sealing sleeve designed to be concealed in plastic, for the rapid and airtight sealing of pipe fairleads in the thermal insulation composite system according to DIN 4108-7 and GEG, in sizes DN 70 and DN 100, measuring 320 x 320 mm, with highly flexible EPDM seal, self-adhesive render-compatible fleece butyl collar for permanent bonding to the substrate (adhesion primer may be necessary) and between the fleece bonding surface and the render, supply and install to professional standards.

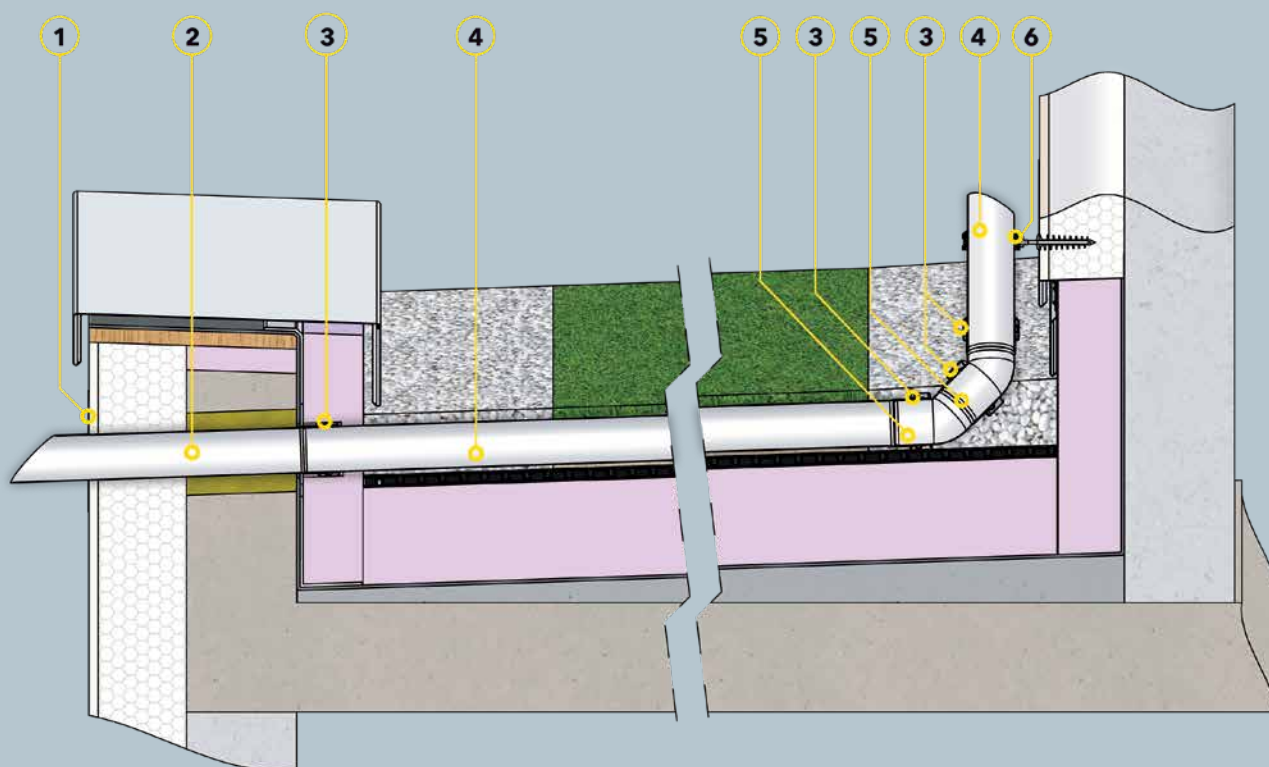
Technical drawing



DN	d1 (mm)	d2 (mm)	Article number
70	45	110	18 00 75
100	70	125	18 00 11

SitaKaskade lead-through Fluid

SitaKaskade lead-through Fluid as waterspout for emergency drainage in an inverted roof



SitaKaskade
Lead through

Components

- 1 SitaAttika cladding cover plate
- 2 SitaKaskade lead-through Fluid
- 3 SitaPipe stainless steel safety clamp
- 4 SitaPipe stainless steel pipe
- 5 SitaPipe stainless steel bend
- 6 SitaPipe pipe clamp

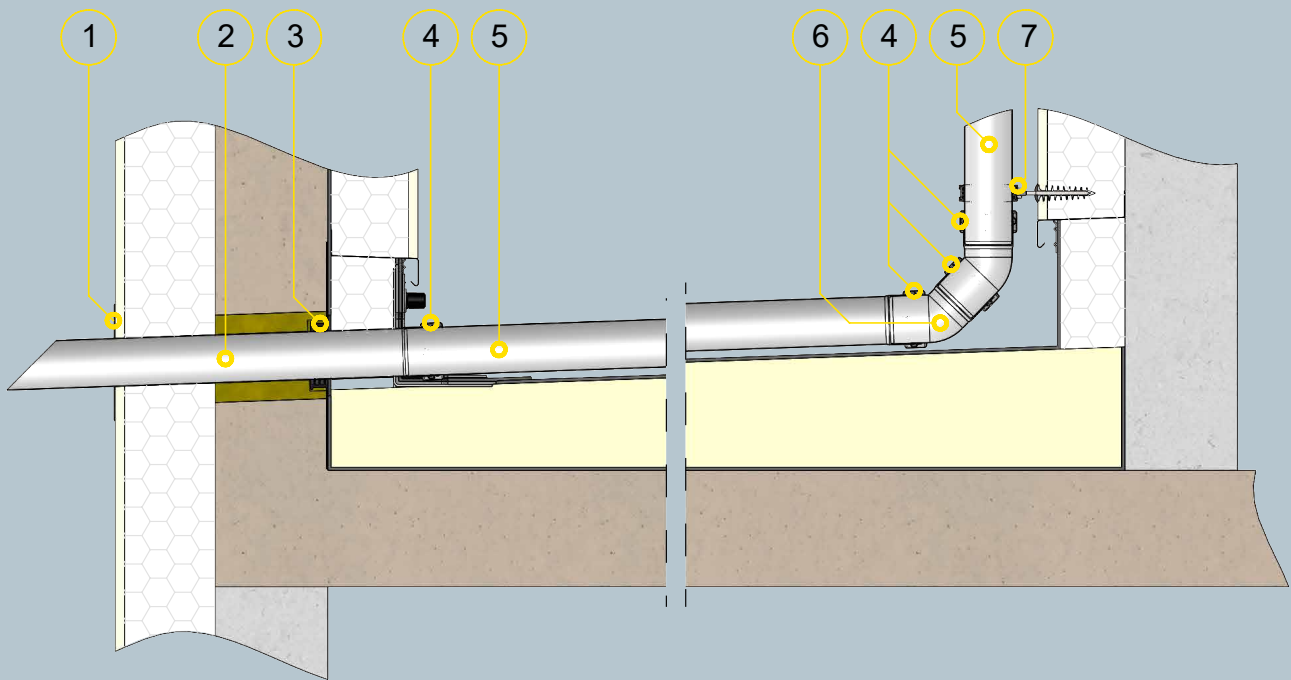
Roof structure

Inverted roof structure to the general rules of engineering with:

- + Extensive roof greenery with vegetation layer according to system supplier
- + XPS thermal insulation
- + Waterproof membrane
- + Sloping screed
- + Substructure

SitaKaskade Fluid penetration

SitaKaskade Fluid penetration as a spout for emergency drainage in a non-ventilated roof build-up



SitaKaskade
Lead through

Components

- 1 SitaAttika parapet cover plate
- 2 SitaKaskade Fluid penetration
- 3 SitaMore flexible vapour barrier plate
- 4 SitaPipe stainless steel safety clamp
- 5 SitaPipe stainless steel pipe
- 6 SitaPipe stainless steel bend
- 7 SitaPipe stainless steel pipe clamp

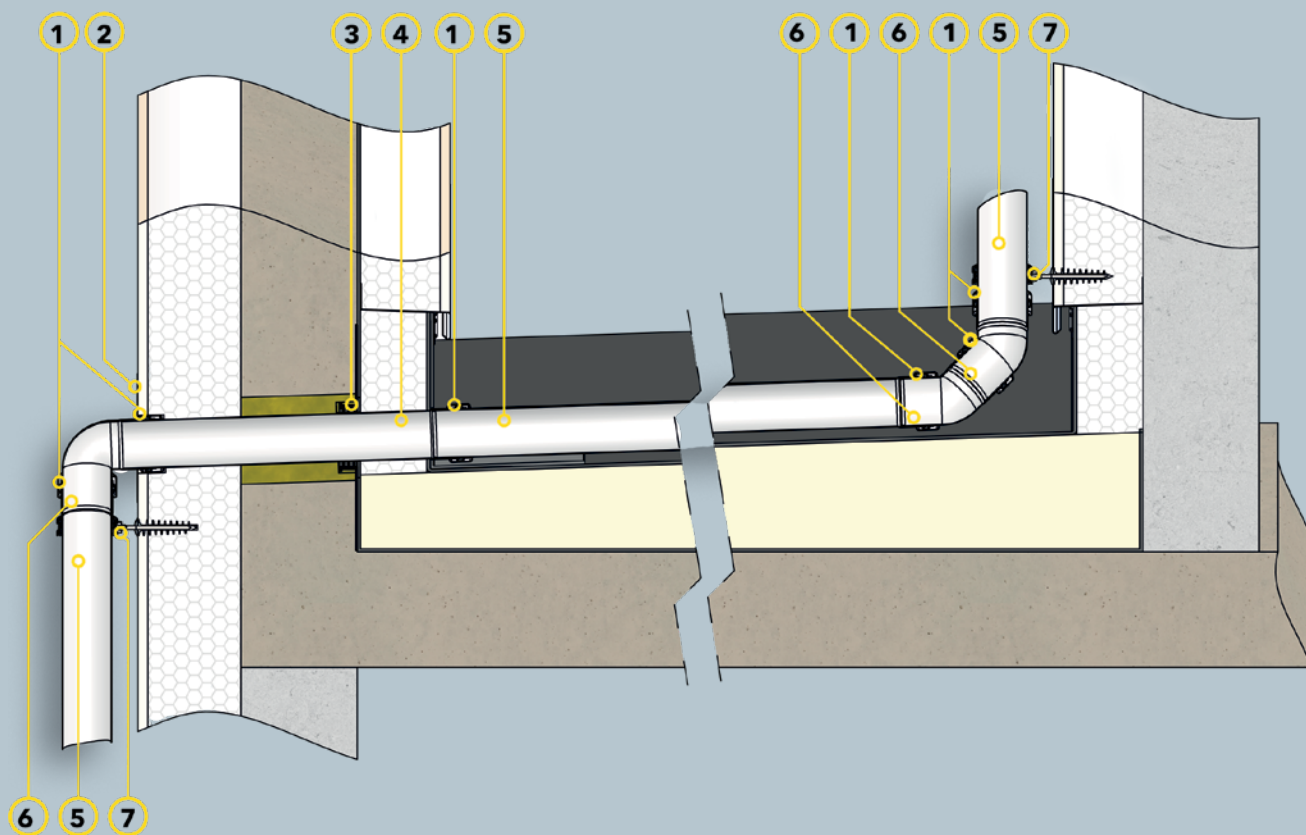
Roof structure

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

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

SitaKaskade lead-through Fluid

SitaKaskade lead-through Fluid with connection to the downpipe for main drainage in a non-ventilated roof structure



SitaKaskade
Lead through

Components

- 1 SitaPipe stainless steel safety clamp
- 2 SitaAttika cladding cover plate
- 3 SitaMore vapour barrier plate flex
- 4 SitaKaskade lead-through Fluid
- 5 SitaPipe stainless steel pipe
- 6 SitaPipe stainless steel bend
- 7 SitaPipe stainless steel pipe clamp

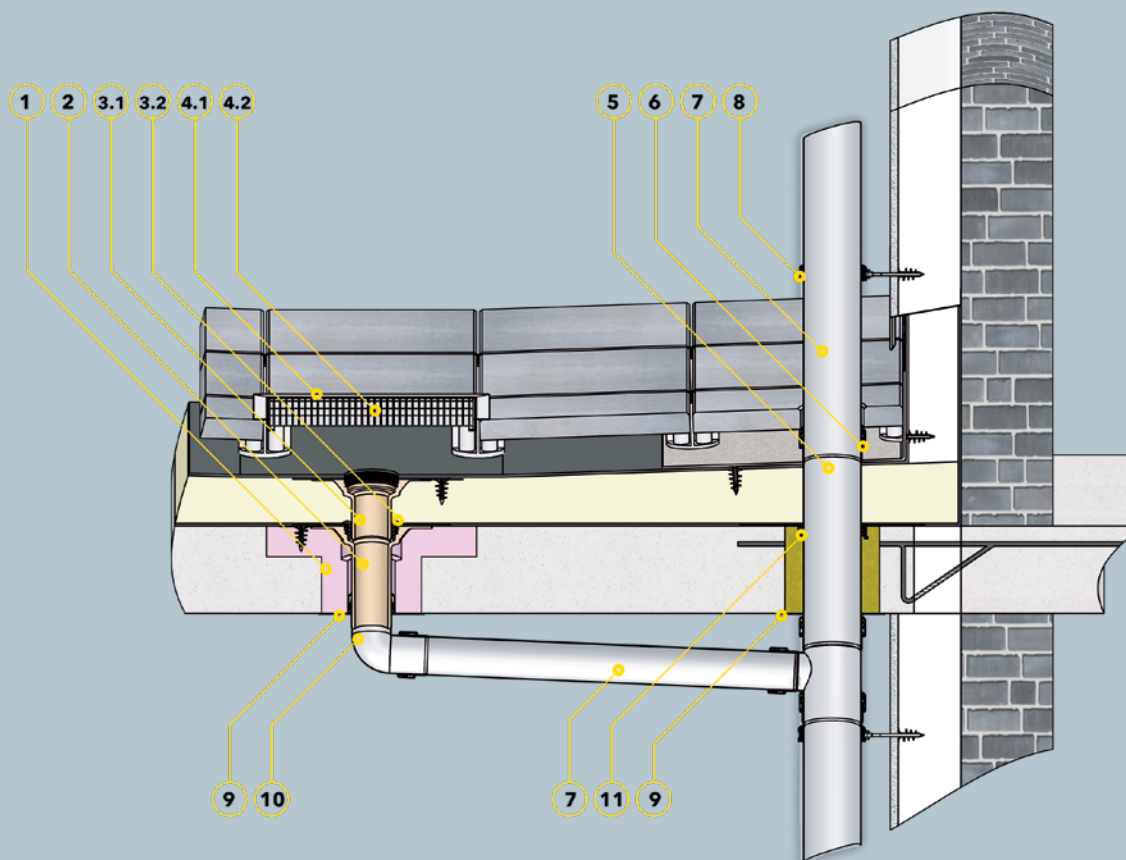
Roof structure

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

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

SitaKaskade lead-through Fluid

SitaKaskade lead-through Fluid with SitaCompact for main drainage in a non-ventilated roof structure



SitaKaskade
Lead through

Components

- 1 SitaCompact insulating body
- 2 SitaCompact vertical

SitaCompact extension unit consisting of:

- 3.1 Base body
- 3.2 Sealing ring

SitaDrain® area frame consisting of:

- 4.1 Frame
- 4.2 Inspection grate

- 5 SitaKaskade lead-through Fluid
- 6 SitaPipe stainless steel safety clamp

- 7 SitaPipe stainless steel pipe
- 8 SitaPipe stainless steel pipe clamp
- 9 SitaAttika cladding cover plate
- 10 SitaPipe stainless steel bend
- 11 SitaMore vapour barrier plate flex

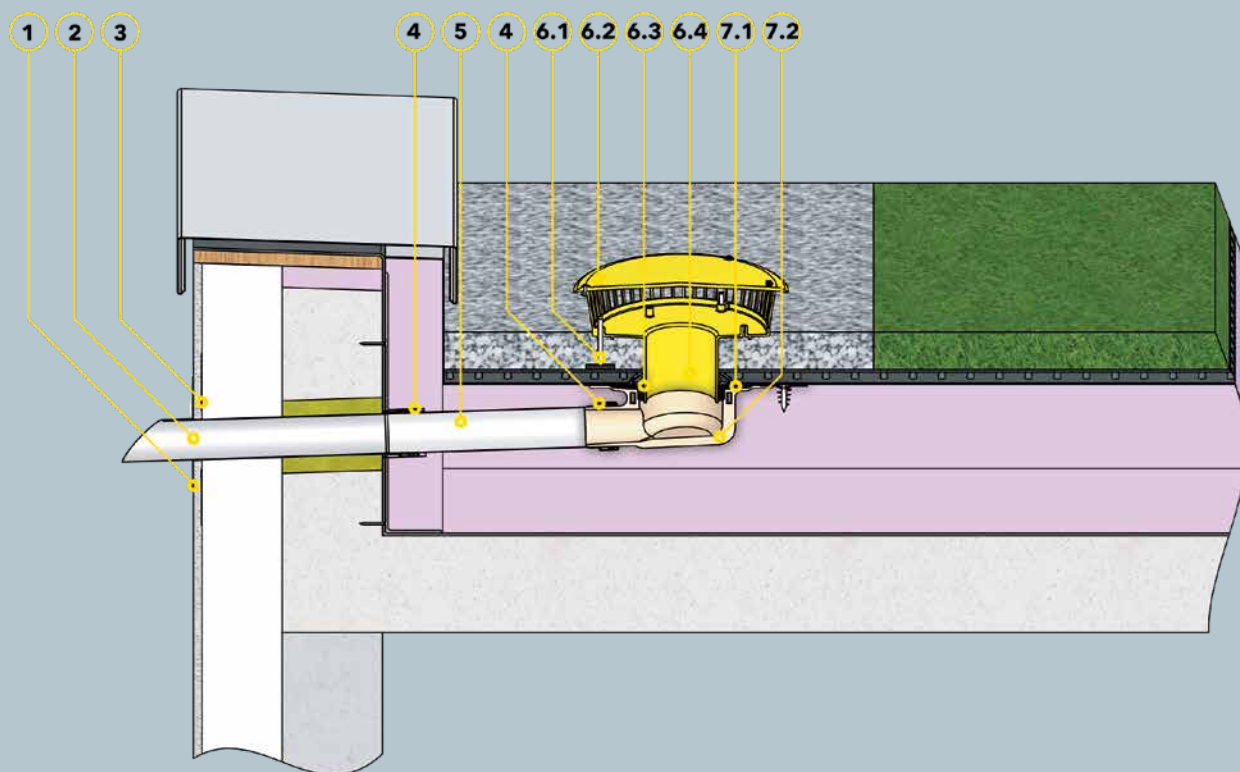
Roof structure

Non-ventilated roof structure with slab paving on support pads to the general rules of engineering with:

- + Slab paving on support pad
- + Protective mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

SitaKaskade lead-through Fluid

SitaTrendy screw-on flange angled with SitaKaskade lead-through for emergency drainage in an inverted roof



SitaKaskade
Lead through

Components

- 1 SitaAttika cladding cover plate
- 2 SitaKaskade lead-through Fluid
- 3 SitaMore sealing sleeve for WDVS
- 4 SitaPipe stainless steel safety clamp
- 5 SitaPipe stainless steel pipe

SitaMore retaining element consisting of:

- 6.1 Height-adjustable rubber-metal buffers
- 6.2 Closed cover
- 6.3 Sealing ring
- 6.4 Base body

SitaTrendy screw-on flange angled consisting

of:

- 7.1 Sealing sleeve and screw-on flange
- 7.2 Base body

Roof structure

Inverted roof structure to the general rules of engineering with:

- + Roof greenery according to system supplier
- + Drainage layer
- + Filter fabric
- + XPS thermal insulation
- + Sealing
- + Substructure

Connection sleeves for outlets with article end numbers.

For SitaTurbo and SitaTurbo Max.

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
Bitumen underlay	70	Elastomerbitumen	
Bitumen top layer	71	Polymerbitumen	
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	87	EPDM - light grey	Alwitra GmbH
Evalon	88	EVA - white	
Evalon	85	EVA - light grey	
Evalon	0102	EVA - slate grey	
EverGuard	77	TPO/FPO - light grey	BMI Wolfin Bautechnik
EverGuard	0109	TPO/FPO - white	
Extrapol M 1.8	0100	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	0101	TPE - light grey	Köster Bauchemie AG
Mapeplan D 15	06	PVC - light grey	Mapei GmbH (DE)
Mapeplan-T	04	TPO/FPO - light grey	
O.C. Plan 3020	89	ECB - black	Polyfin AG
Polyfin 3020	86	TPO/FPO - light grey	
PVC soft	10	PVC - light grey	Paul Bauder GmbH & Co. KG
Resitrix CL	01	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
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			
Elevate Quickseam SA Flashing	03	EPDM - black	Holcim Solutions and Products EMEA BV

Connection sleeves for outlets with article end numbers.

For SitaStandard, SitaTrendy, SitaDSS Profi, SitaIndra, SitaDSS Indra, SitaVasant*, SitaEasy, SitaEasy Plus, SitaCompact, SitaCompact Near*, SitaCarport, SitaMini*, 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

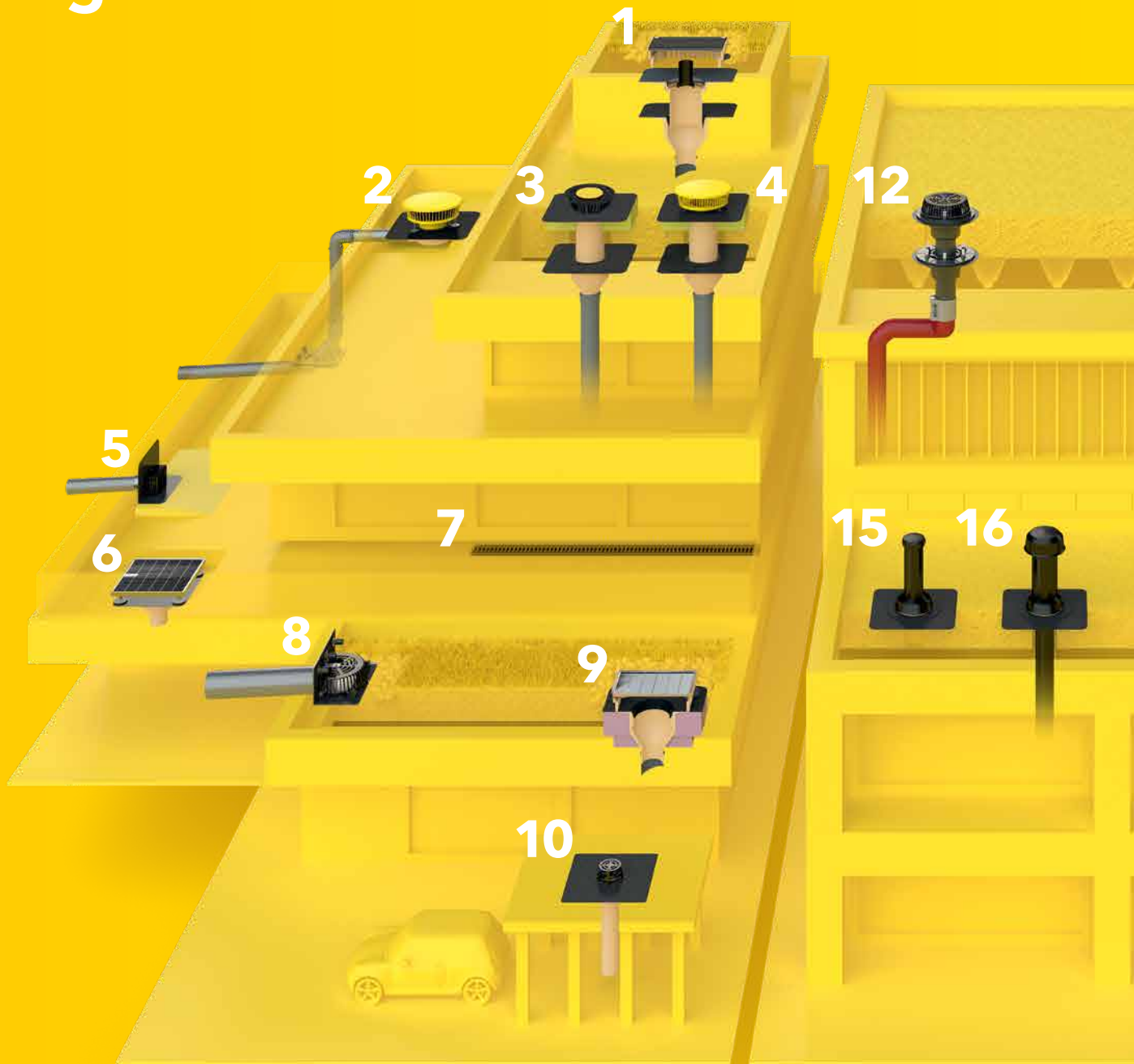
Surcharge see current price list

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

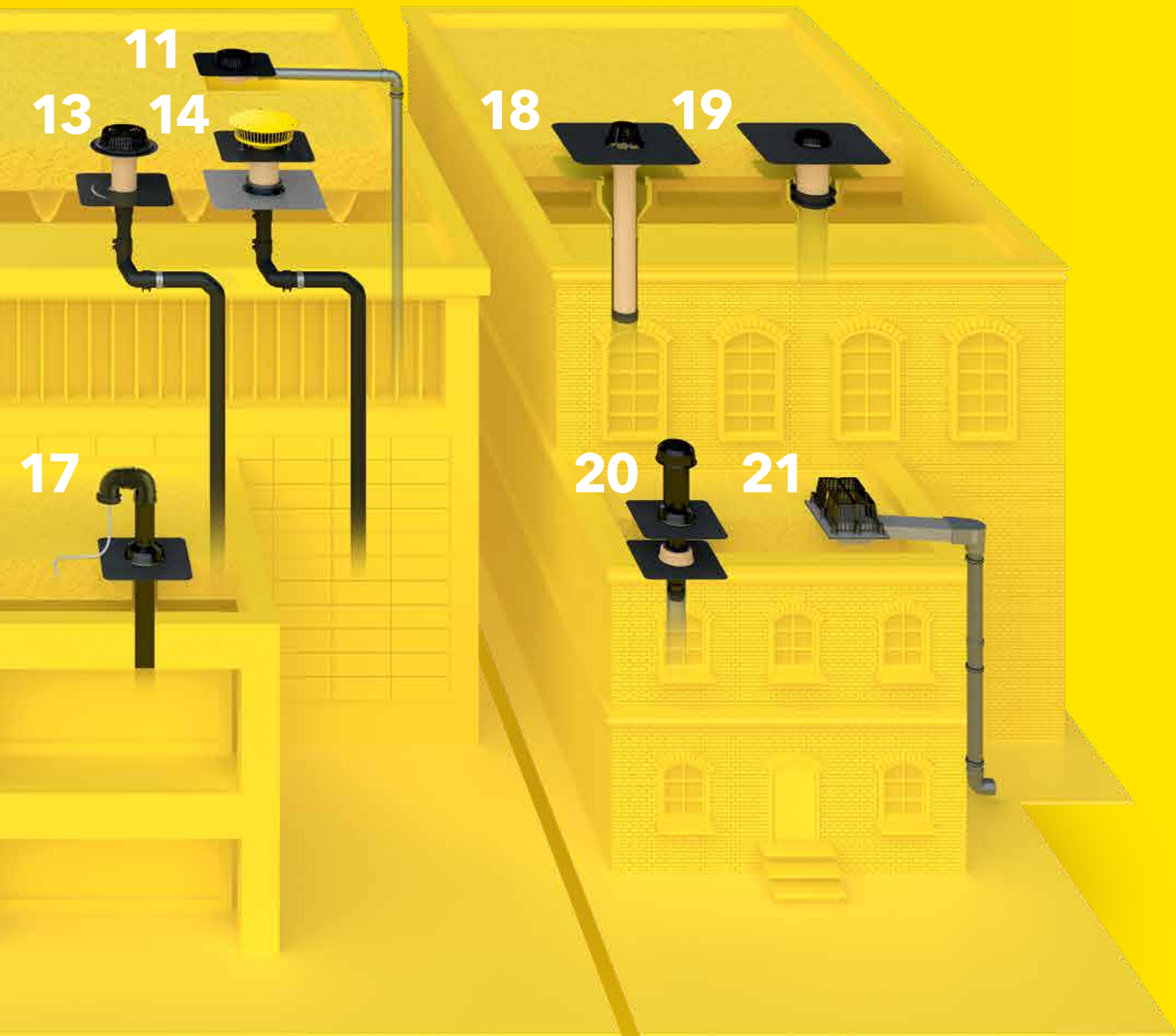
*1 Fleece-backed membrane. *2 Bitumen side on top. *3 except 03 and 84. *4 except 00 and 90. *5 except 90.

Further connection sleeves upon request.

Superbly served - with the Sita product range.



- | | |
|---|---|
| 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 |



- 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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Sita direct. Contacts.

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Refurbishment



Kaskade



Ventilation and
pipe fairlead

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