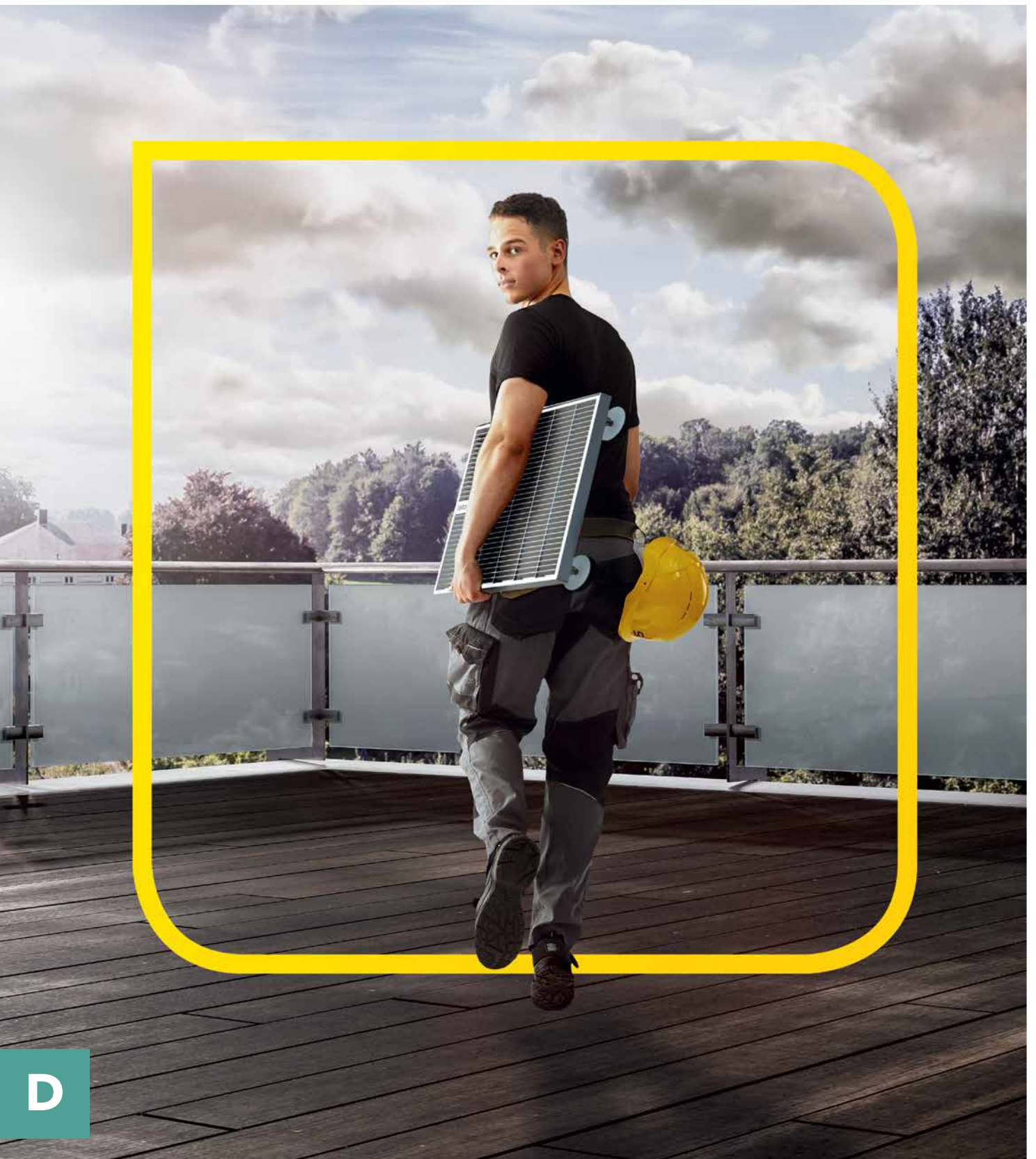


**Sitaleicht.
Drainage.**



D

leicht entwässern.



for drainage:

Get yourself all-round protection!

Sita drainage systems collect rainwater before it gets to the building. Like a modern water trench, the drainage system at ground level protects the interior of your building. The facade is also protected from heavy rainfall splashing back. The drainage system with a grating and frame is sturdy and durable.

1

Why drainage?

06 The principle of drainage.

2

Product**08 Decision matrix Regulations****10 SitaDrain® Klassik**

12 Product details

19 Installation examples

**20 SitaDrain® Terra**

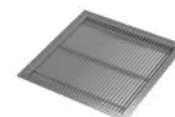
22 Product details

29 Installation examples

**30 SitaDrain® area frame**

32 Product details

37 Installation examples

**38 SitaDrain® profile frame**

40 Product details

45 Installation examples

**46 SitaDrain® box drain**

48 Product details

58 Installation examples

**59 SitaDrain® Wood**

61 Product details

64 Installation examples



65 Sita calculation service

3

Sitaleicht

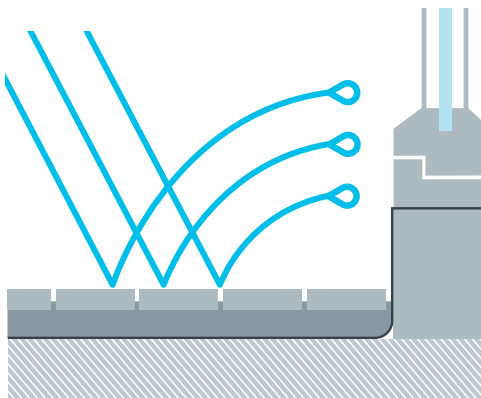
66 Sita product range

68 Sita contacts

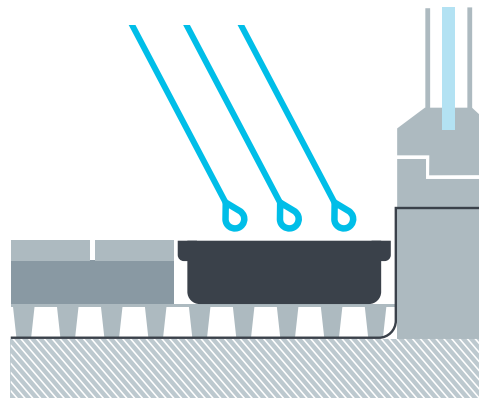
Like a protective band for your home.

Sita protects buildings. Whether driving rain or snow drifts: weather conditions that can damage your façade or allow water to penetrate the interior can be avoided with drainage solutions from Sita. As a high-quality drainage system, it also meets visual requirements. Thanks to reduced connection heights, the grating sits at ground level, thus ensuring additional accessibility.

How does Sita protect my façade from splashing water?

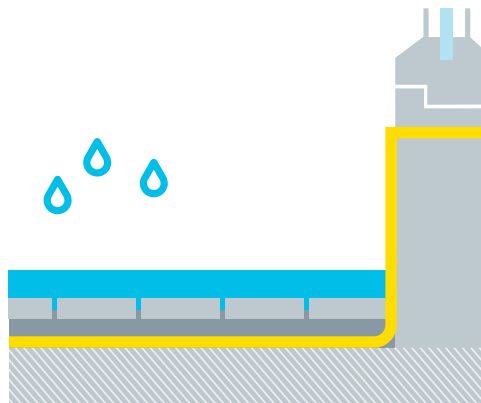


– **Without SitaDrain®**
Building contamination due to splashing water.

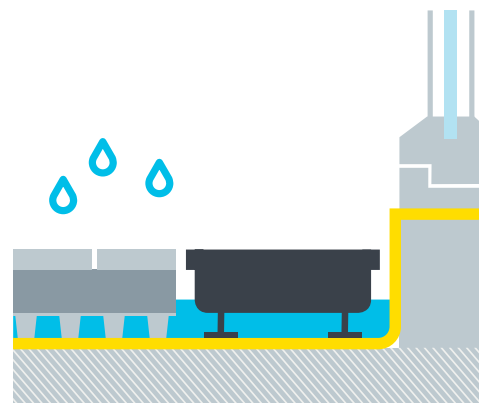


+ **With SitaDrain®**
Protection of the building against splashing water.

What structural advantages does Sita offer me?



– **Without SitaDrain®**
High connection height: as protection against accumulated rainwater – a higher base.



+ **With SitaDrain®**
Lower connection height: SitaDrain® collects rainwater.

A portrait of a man with wavy blonde hair and a light beard, wearing a dark blue blazer over a light blue shirt. He is looking slightly to the right with a gentle smile. The background is a blurred outdoor setting with trees and a building. A yellow rounded rectangular box is overlaid on the right side of the image, containing the text 'Imaginative drainage. On several levels.'

**Imaginative
drainage.
On several
levels.**

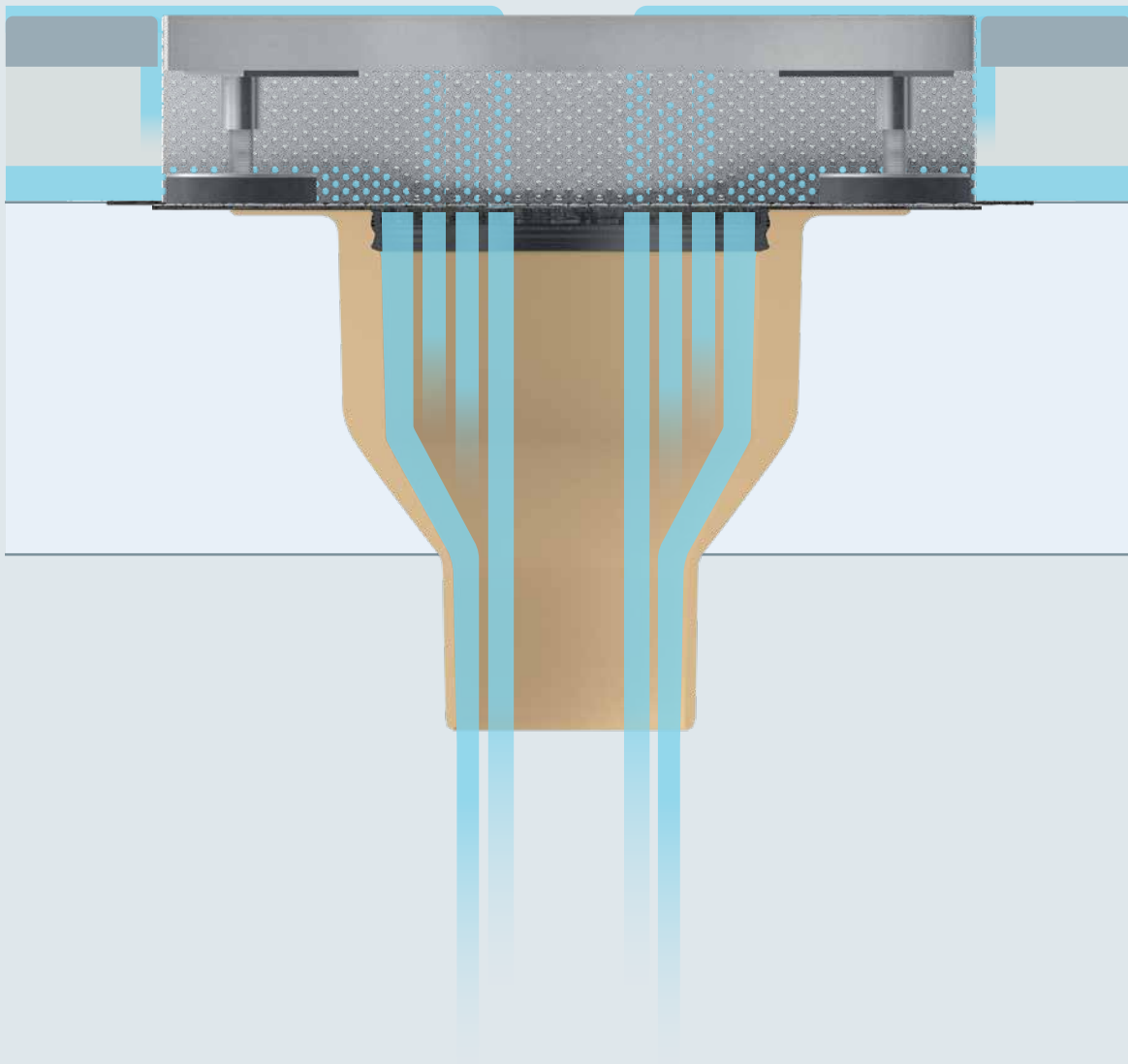
Tilo Schnipp
ARCHITECT

To ensure everything runs smoothly: drainage from the roof to the ground floor.

Sita is an all-round protector. That's how we understand drainage – solutions at all levels. The matching components from Sita are available in stainless steel or galvanised versions, in different lengths and widths, and with fixed or continuously adjustable heights – like a protective band for your entire building.

DIN standards and regulations on page 8.

The principle of drainage.

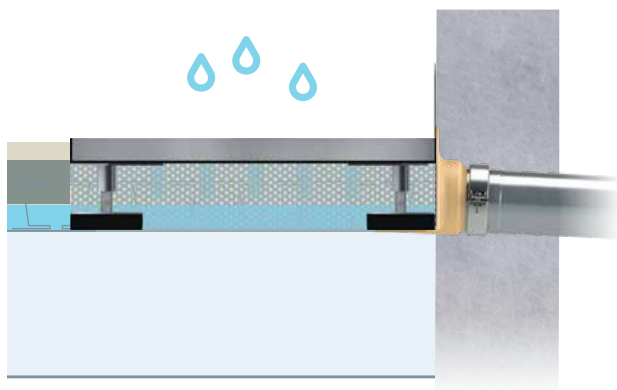


SitaDrain® Terra with grating for terrace drainage

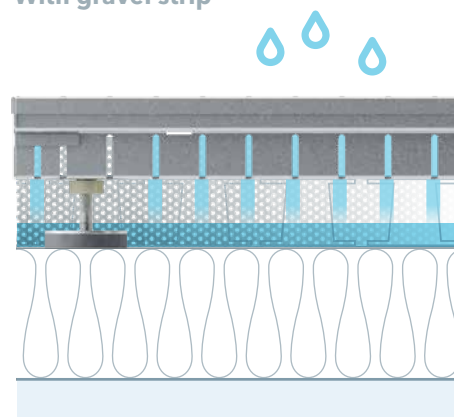
SitaDrain® Terra is used as an inspection chamber on terraces.

Sita drainage systems enable safe inspection of the drainage system and are an excellent addition to drainage systems on sealed usable areas such as balconies or terraces. SitaDrain® offers suitable solutions to protect the building from splashing water and to reduce the connection heights on the facade.

A SitaDrain®
With optimally height-adjustable feet



B SitaDrain® box drain
With gravel strip



+ Good to know.

Drainage channel

In the case of a gravel bed, a suitable drainage mat must always be installed underneath the gravel bed, the flow rate of which must not reduce the required drainage volume. Otherwise, drainage must be ensured directly with a drainage channel to the drain.

Maintenance

The drainage components must be freely accessible for maintenance purposes. Removable drainage grates, balcony attachments, or terrace kits must be installed over the roof drains for main and emergency drainage.

Barrier-free door connections

For door connections with a connection height of < 5 cm, the cover of the drainage channel must have a hole ratio of at least 50% of the free cross-section. In areas with a snow load zone of ≥ 3 , the channel width must be at least 250 mm and should be equipped with channel heating up to the frost-free area.

An easy decision.

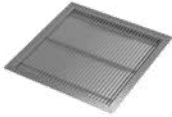
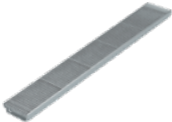
Type of drainage	Infinitely adjustable height	Different construction heights	Different construction lengths	For barrier-free connections
Drainage				
Drainage				
Drainage				
Drainage				
Drainage				
Drainage				

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

With design grate	Made of stainless steel	Can be shortened on site	Material properties	
			Galvanized steel, Stainless steel	
			Galvanized steel, Stainless steel	
			Galvanized steel, Stainless steel	
			Galvanized steel, Stainless steel	
			Galvanized steel, Stainless steel	
			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

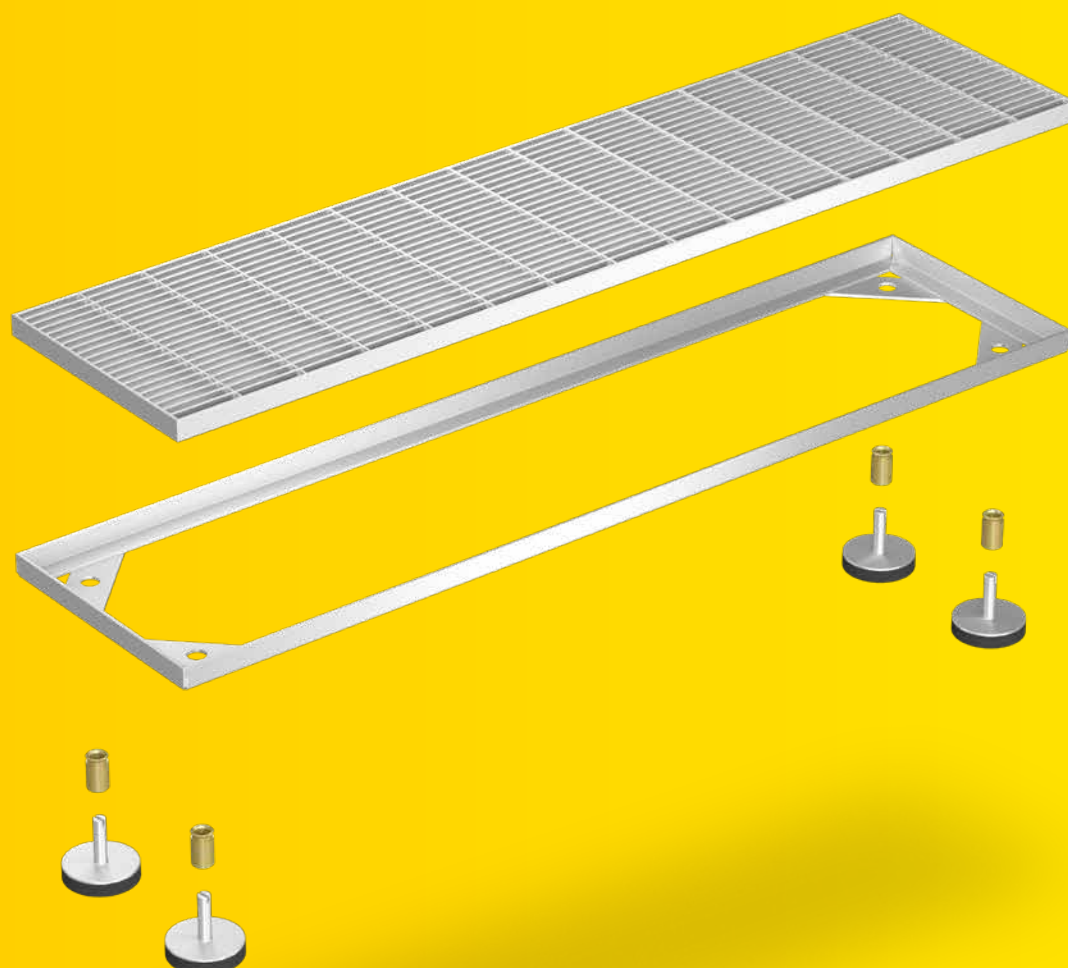
For planning, building and maintaining roof greenings

Industrial Construction Guideline

Guideline for fire protection in industrial buildings

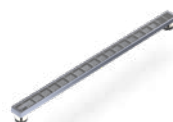
SitaDrain® Klassik

Protective belt.
Infinitely adjustable.



SitaDrain®
Klassik

- + Large height differences can be bridged
- + Load rating class K3, can be travelled over in a wheelchair
- + Ideal supplement to roof or balcony outlet
- + Infinitely height-adjustable
- + Different lengths and widths



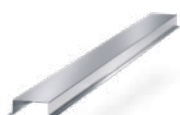
SitaDrain® Klassik
galvanised steel



SitaDrain® Klassik
stainless steel



SitaDrain®
gravel strip



SitaDrain®
junction channel



SitaDrain®
feet galvanised steel



SitaDrain®
feet stainless steel

SitaDrain® Klassik

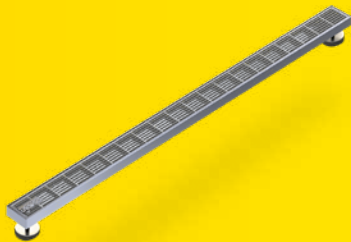
Product features at a glance:

Product features

Applications	For draining rainwater and supplementing the drainage systems on balconies and patios
Material	Galvanised steel 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 + Infinitely adjustable height between 70 - 110 mm
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.

SitaDrain® Klassik

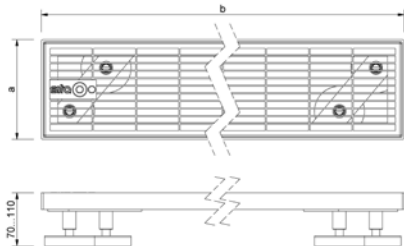
galvanised steel



Tender text

SitaDrain® Klassik with mesh cover, made of galvanised steel, load rating class K3 according to DIN EN 1253-2, can be travelled over in a wheelchair, widths 100 mm, 150 mm 250 mm and 500 mm and lengths 500 mm, 750 mm, 800 mm and 1000 mm, with surrounding frame to hold the grate with mesh size 9 mm x 64 mm, with press-fit threaded sockets M12 made of brass to hold the pre-assembled rubber feet for infinite height adjustment from 70 mm - 110 mm, supply and install to professional standards.

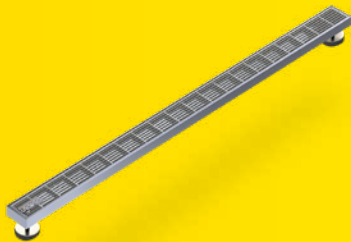
Technical drawing



a (mm)	b (mm)	Article number
100	750	20 10 75
	800	20 10 80
	1000	20 10 00
150	500	20 15 50
	750	20 15 75
	1000	20 15 00
250	500	20 25 50
	1000	20 25 00
500		20 50 00

SitaDrain® Klassik

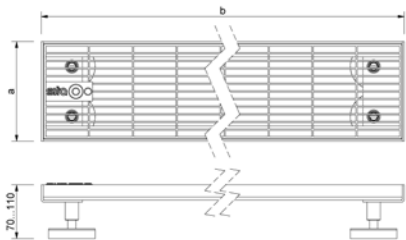
stainless steel



Tender text

SitaDrain® Klassik drainage grate, with two welded threaded sockets M12 made of rust-proof stainless steel to hold the pre-assembled rubber feet, for infinite height adjustment from 70 mm - 110 mm. In widths 100 mm, 150 mm and 250 mm and in length 1000 mm. Made of rust-proof treated stainless steel with surrounding steel frame to hold the mesh cover with mesh size 9 mm x 64 mm. Supply and install to professional standards.

Technical drawing



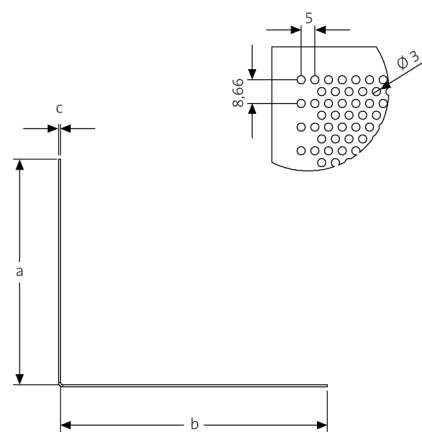
a (mm)	b (mm)	Article number
100	1000	25 10 10
150		25 15 00
250		25 25 00



Tender text

SitaDrain® gravel strip, made of perforated aluminium sheet, with one bend, wraparound unperforated edge, in sizes 70 mm x 90 mm, 110 mm x 130 mm and 145 mm x 165 mm. 1000 mm long, resting against the frame of the SitaDrain®, supply and install to professional standards.

Technical drawing



a (mm)	b (mm)	c (mm)	Article number
70	90	1	E 21 10 02
110	130		21 10 98
145	165		21 10 99

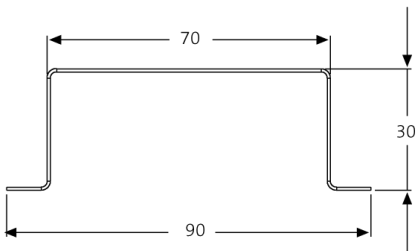
SitaDrain® junction channel



Tender text

SitaDrain® junction channel, made of continuously galvanised steel plate, 30 mm x 70 mm x 1000 mm, with folded coating, for transferring the rainwater from the drainage grate to the outlet, e.g. in a gravel bed, supply and install to professional standards.

Technical drawing



Article number
E 20 90 00

SitaDrain®

feet

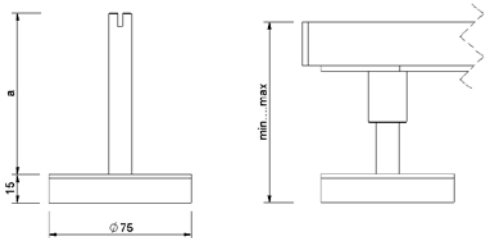
galvanised steel



Tender text

SitaDrain® feet, made of galvanised steel, for continuous height adjustment of SitaDrain® drainage grates, with M12 grub screw and milled groove for height adjustment from above with a screwdriver, with a rubber support surface made of EPDM for load distribution, supply and install to professional standards.

Technical drawing



a (mm)	Height adjustment min. (mm)	Height setting max. (mm)	Article number
47	70	110	E 22 00 42
85	110	145	E 22 00 85
120	145	180	E 22 01 21

SitaDrain®

feet

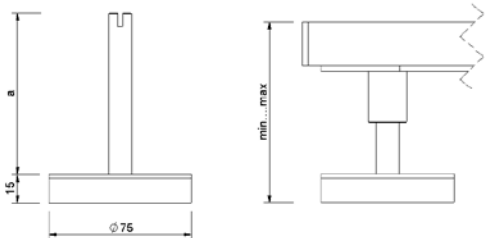
stainless steel



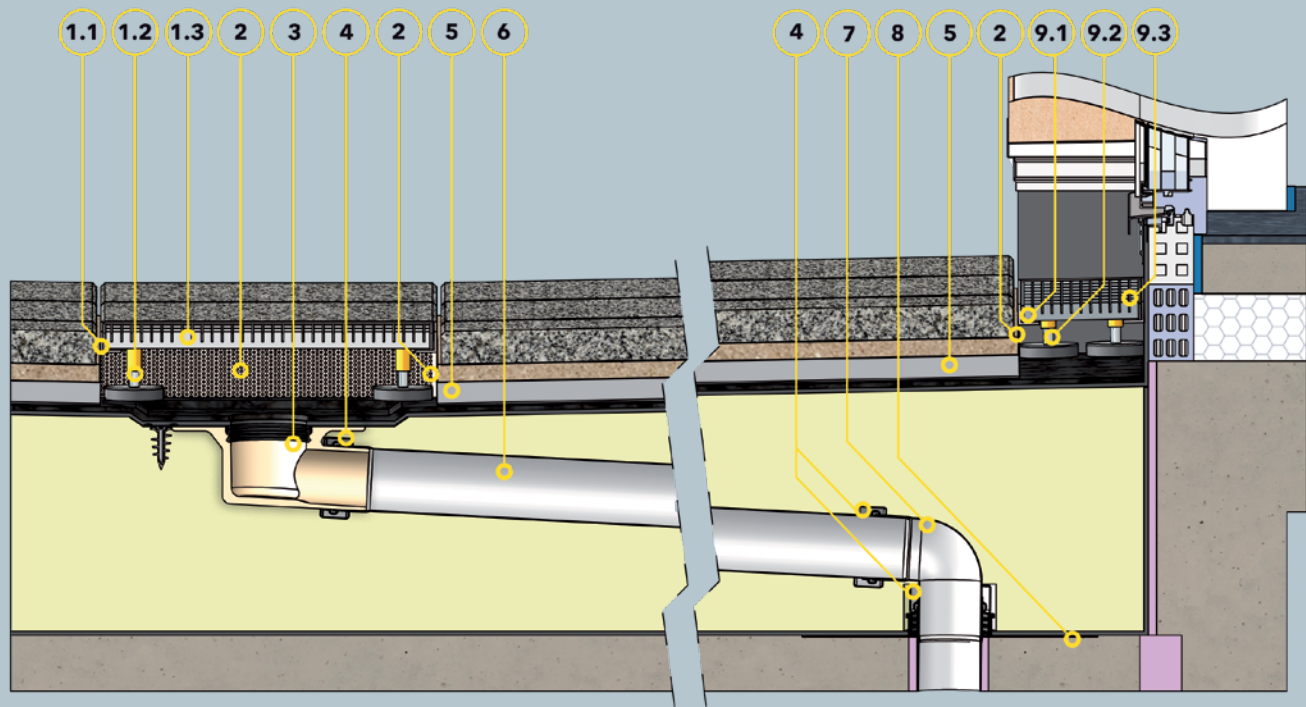
Tender text

SitaDrain® feet, made of stainless steel, material no. 1.4301, for continuous height adjustment of SitaDrain® drainage gratings, with M12 grub screw and milled groove for height adjustment from above with a screwdriver, with a rubber support surface made of EPDM for load distribution, supply and install to professional standards.

Technical drawing



a (mm)	Height adjustment min. (mm)	Height setting max. (mm)	Article number
120	145	180	E 22 11 20



Components

SitaDrain® Terra consisting of:

- 1.1** Frame
- 1.2** Height-adjustable rubber-metal buffers
- 1.3** Inspection grate
- 2** SitaDrain® gravel strip
- 3** SitaCompact angled
- 4** SitaPipe Edelstahl safety clamp
- 5** SitaDrain® junction channel
- 6** SitaPipe Edelstahl pipe
- 7** SitaPipe Edelstahl bend
- 8** SitaMore vapour barrier plate flex

SitaDrain® Klassik consisting of:

- 9.1** Frame
- 9.2** Height-adjustable rubber feet
- 9.3** Inspection grate

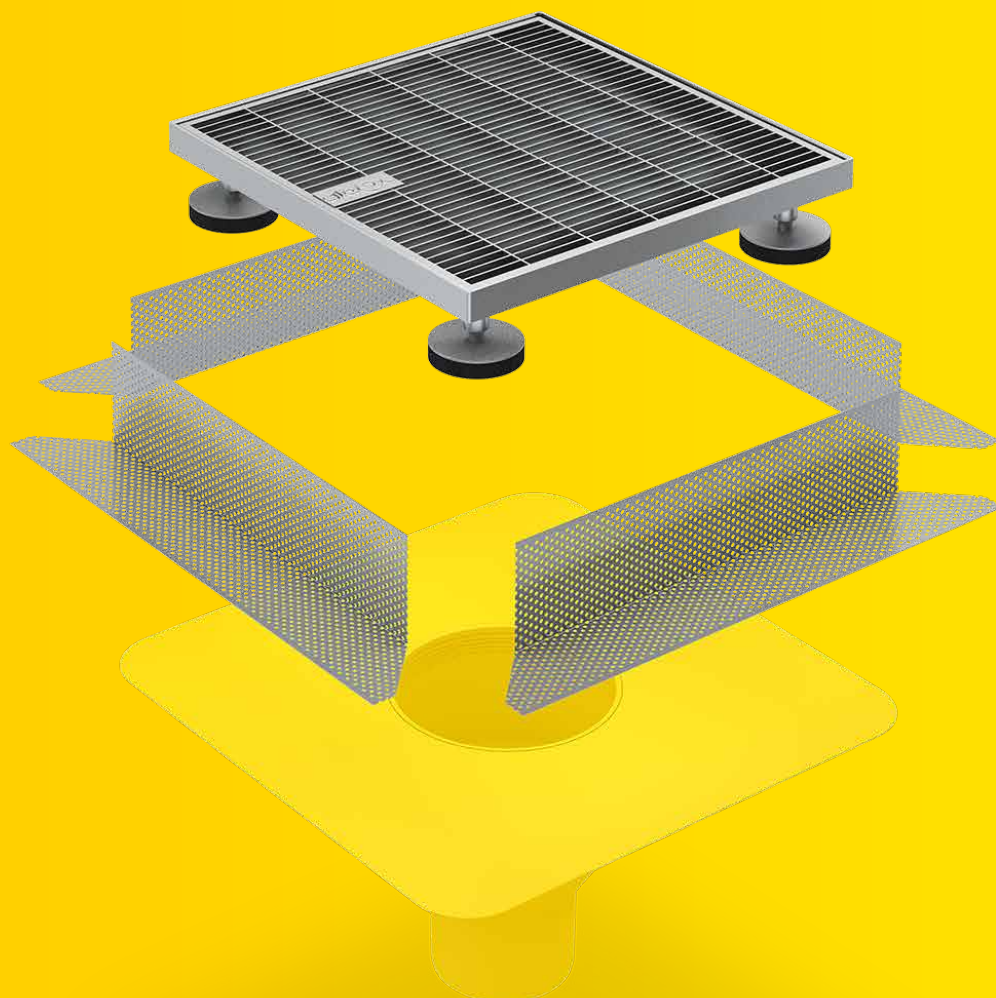
Roof structure

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

- + Slab paving
- + Gravel bed
- + Protective mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

SitaDrain® Terra

Protective belt. Infinitely adjustable.

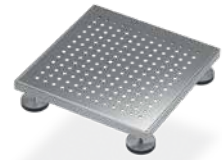


SitaDrain®
Terra

- + Large height differences can be bridged
- + Load rating class K3, can be travelled over in a wheelchair
- + Ideal supplement to roof or balcony outlet
- + Infinitely height-adjustable
- + Different grating designs



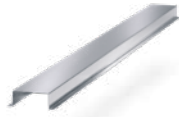
SitaDrain® Terra
galvanised steel



SitaDrain® Terra
stainless steel



SitaDrain®
gravel strip



SitaDrain®
junction channel



SitaDrain®
feet galvanised steel

SitaDrain® Terra

Product features at a glance:

Product features

Applications	For draining rainwater and supplementing the drainage systems on balconies and terraces
Material	Galvanised steel 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 + Infinitely adjustable height between 70 - 110 mm
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.

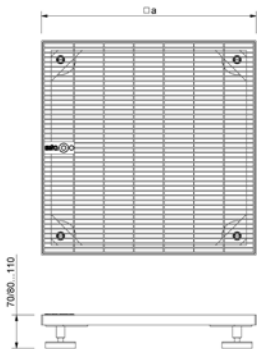
SitaDrain® Terra galvanised steel



Tender text

SitaDrain® Terra drainage grate, made of hot-dip galvanised steel, with surrounding steel frame to hold the mesh cover (mesh size 9 mm x 64 mm), with four press-fit threaded sockets M12 made of stainless steel to hold the pre-assembled rubber feet for infinite height adjustment from 70 mm - 110 mm, in the dimensions 300 mm x 300 mm, 400 mm x 400 mm or 500 mm x 500 mm, supply and install to professional standards.

Technical drawing



Execution	a (mm)	Height adjustment min. (mm)	Height setting max. (mm)	Article number
grating	300	70	110	18 90 62
	400			20 40 40
longitudinal bar grating		80		20 40 40 15
grating	500	70		20 50 50
longitudinal bar grating		80		20 50 50 15

Grate designs			
grating		longitudinal bar grating	

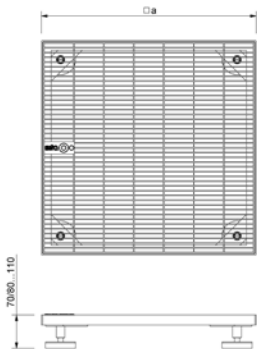
SitaDrain® Terra stainless steel



Tender text

SitaDrain® Terra drainage grate, made of pickled stainless steel, with surrounding stainless steel frame to hold the mesh cover (mesh size 9 mm x 64 mm), with four welded threaded sockets M12 made of stainless steel to hold the pre-assembled rubber feet for infinite height adjustment from 70 mm - 110 mm, in the dimensions 400 mm x 400 mm, 500 mm x 500 mm, supply and install to professional standards. Rust-proof treated stainless steel with surrounding stainless steel frame to hold the mesh cover (mesh size 9 mm x 64 mm). Supply and install to professional standards.

Technical drawing



SitaDrain®
Terra

Execution	a (mm)	Height adjustment min. (mm)	Height setting max. (mm)	Article number
grating	400	70	110	25 40 40
circular design grating				25 40 40 11
square design grating				25 40 40 12
elliptical design grating				25 40 40 13
bubble design grating				25 40 40 14
longitudinal bar grating				25 40 40 15
grating	500	70		25 50 50
longitudinal bar grating		80		25 50 50 15

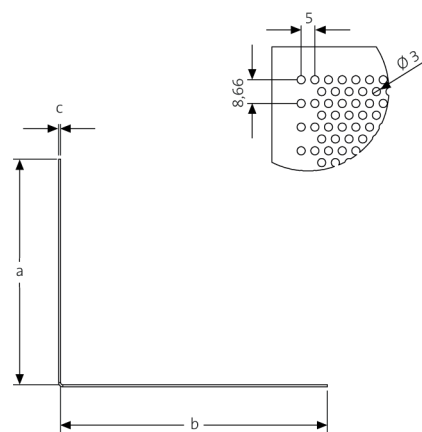
Grate designs					
grating		circular design grating		elliptical design grating	
longitudinal bar grating		square design grating		bubble design grating	



Tender text

SitaDrain® gravel strip, made of perforated aluminium sheet, with one bend, wraparound unperforated edge, in sizes 70 mm x 90 mm, 110 mm x 130 mm and 145 mm x 165 mm. 1000 mm long, resting against the frame of the SitaDrain®, supply and install to professional standards.

Technical drawing



a (mm)	b (mm)	c (mm)	Article number
70	90	1	E 21 10 02
110	130		21 10 98
145	165		21 10 99

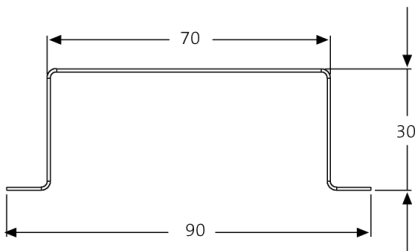
SitaDrain® junction channel



Tender text

SitaDrain® junction channel, made of continuously galvanised steel plate, 30 mm x 70 mm x 1000 mm, with folded coating, for transferring the rainwater from the drainage grate to the outlet, e.g. in a gravel bed, supply and install to professional standards.

Technical drawing



SitaDrain®
Terra

Article number
E 20 90 00

SitaDrain®

feet

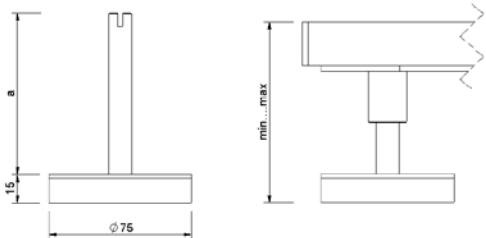
galvanised steel



Tender text

SitaDrain® feet, made of galvanised steel, for continuous height adjustment of SitaDrain® drainage grates, with M12 grub screw and milled groove for height adjustment from above with a screwdriver, with a rubber support surface made of EPDM for load distribution, supply and install to professional standards.

Technical drawing



a (mm)	Height adjustment min. (mm)	Height setting max. (mm)	Article number
47	70	110	E 22 00 42
85	110	145	E 22 00 85
120	145	180	E 22 01 21

SitaDrain®

feet

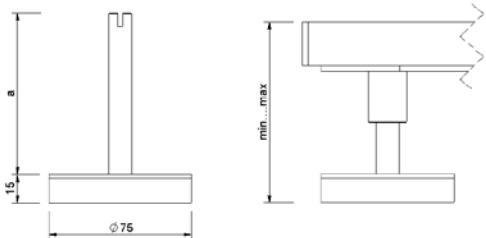
stainless Steel



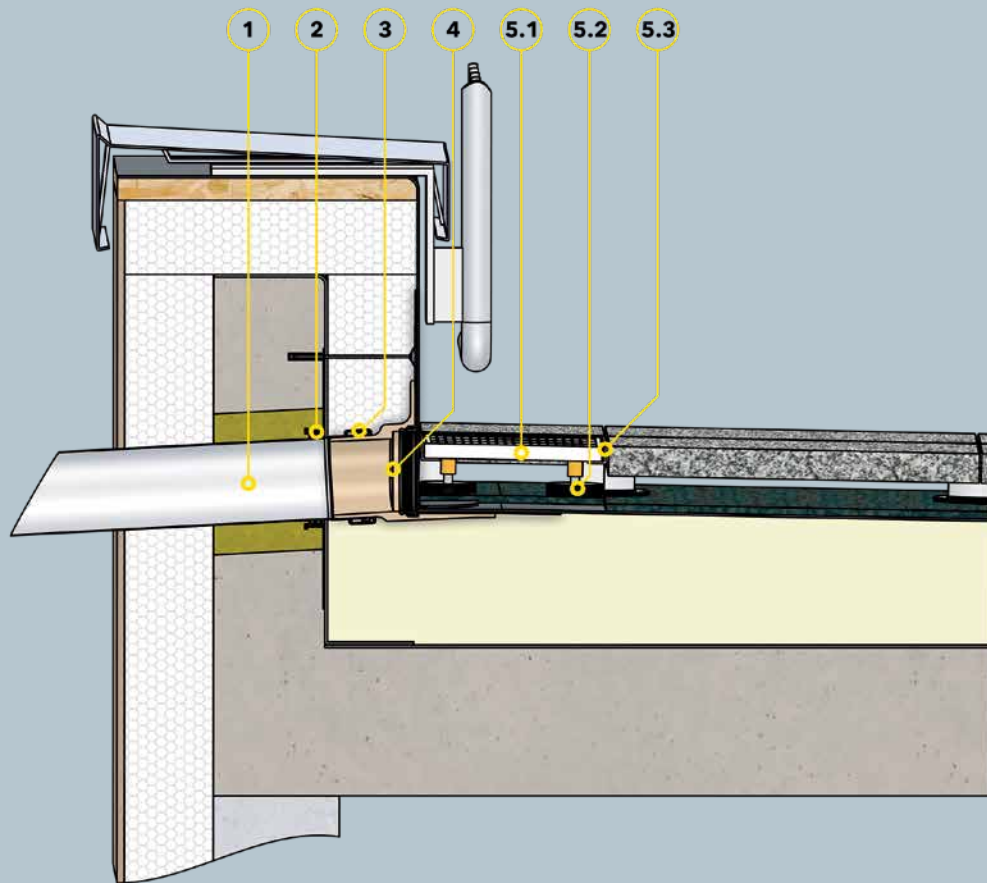
Tender text

SitaDrain® feet, made of stainless steel, material no. 1.4301, for continuous height adjustment of SitaDrain® drainage gratings, with M12 grub screw and milled groove for height adjustment from above with a screwdriver, with a rubber support surface made of EPDM for load distribution, supply and install to professional standards.

Technical drawing



a (mm)	Height adjustment min. (mm)	Height setting max. (mm)	Article number
120	145	180	E 22 11 20



Components

- 1 SitaPipe Edelstahl pipe
- 2 SitaMore vapour barrier plate flex
- 3 SitaPipe Edelstahl safety clamp
- 4 SitaEasy

SitaDrain® Terra consisting of:

- 5.1 Inspection grate
- 5.2 Height-adjustable rubber feet
- 5.3 Frame

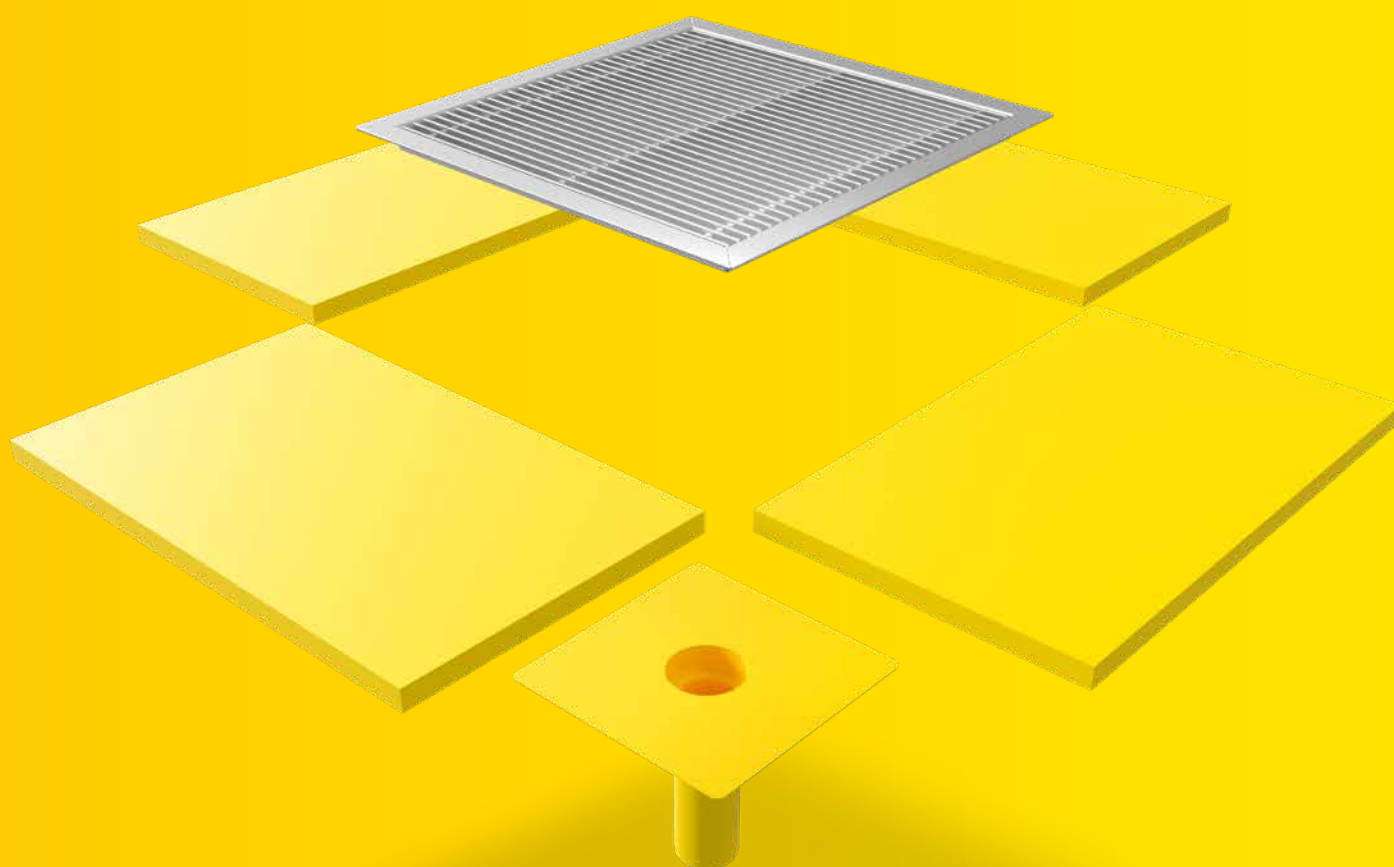
Roof structure

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

SitaDrain® area frame

Visually attractive. Easy to lay.



SitaDrain®
area frame

- + The area frame means easy installation without height adjustment
- + Large height differences can be bridged
- + Ideal supplement to roof or balcony outlet
- + Rust-proof stainless steel or galvanised steel
- + Sits directly on the slab paving
- + Available with different grating designs



SitaDrain® area frame
galvanised steel



SitaDrain® area frame
stainless steel



SitaDrain®
gravel strip



SitaDrain®
junction channel

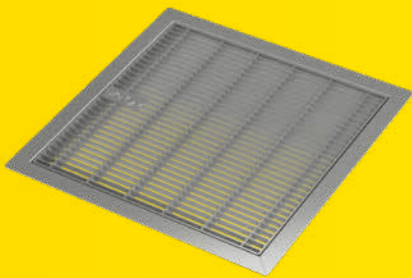
SitaDrain® area frame

Product features at a glance:

Product features

Applications	For draining rainwater and supplementing the drainage systems on balconies and patios
Material	Galvanised steel 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.

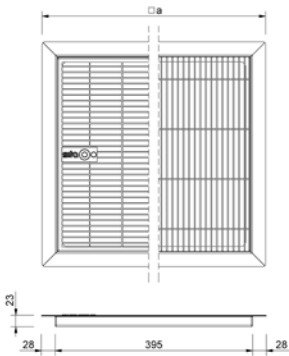
SitaDrain® area frame galvanised steel



Tender text

SitaDrain® area frame with grate insert for surface outlets, made of galvanised steel, load rating class K3 according to DIN EN 1253-2, can be travelled over in a wheelchair, cut-out dimensions 400 mm x 400 mm, with surrounding profile frame to hold the grate and supported on four sides on the slab paving, supply and install to professional standards.

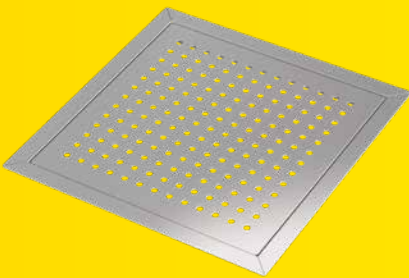
Technical drawing



Execution	a (mm)	Article number
grating	450	20 40 40 44
longitudinal bar grating		20 40 40 45

Grate designs			
grating		longitudinal bar grating	

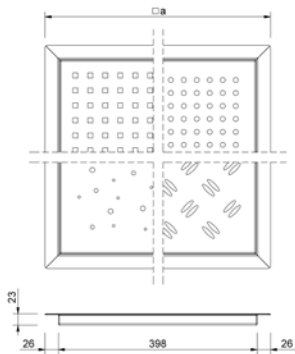
SitaDrain® area frame stainless steel



Tender text

SitaDrain® area frame with grate insert for surface outlets, made of rust-proof stainless steel, material number 1.4301, load rating class K3 according to DIN EN 1253-2, can be travelled over in a wheelchair, cut-out dimensions 400 mm x 400 mm, with surrounding profile frame to hold the grate and supported on four sides on the slab paving, supply and install to professional standards.

Technical drawing



SitaDrain®
area frame

Execution	a (mm)	Article number
circular design grating	450	25 40 40 40
square design grating		25 40 40 41
elliptical design grating		25 40 40 42
bubble design grating		25 40 40 43
grating		25 40 40 44
longitudinal bar grating		25 40 40 45

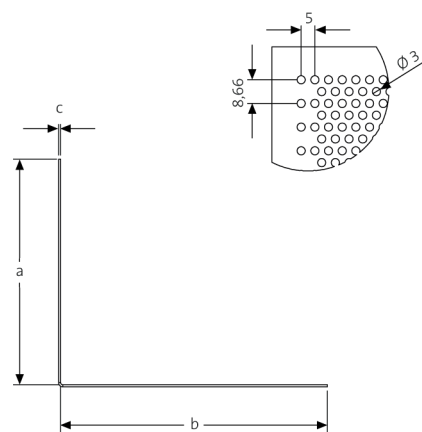
Grate designs					
grating		circular design grating		elliptical design grating	
longitudinal bar grating		square design grating		bubble design grating	



Tender text

SitaDrain® gravel strip, made of perforated aluminium sheet, with one bend, wraparound unperforated edge, in sizes 70 mm x 90 mm, 110 mm x 130 mm and 145 mm x 165 mm. 1000 mm long, resting against the frame of the SitaDrain®, supply and install to professional standards.

Technical drawing



a (mm)	b (mm)	c (mm)	Article number
70	90	1	E 21 10 02
110	130		21 10 98
145	165		21 10 99

SitaDrain®
area frame

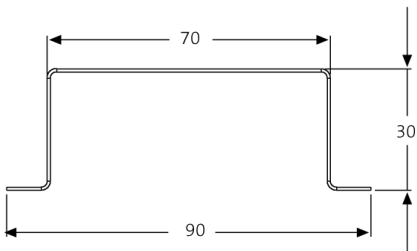
SitaDrain® junction channel



Tender text

SitaDrain® junction channel, made of continuously galvanised steel plate, 30 mm x 70 mm x 1000 mm, with folded coating, for transferring the rainwater from the drainage grate to the outlet, e.g. in a gravel bed, supply and install to professional standards.

Technical drawing

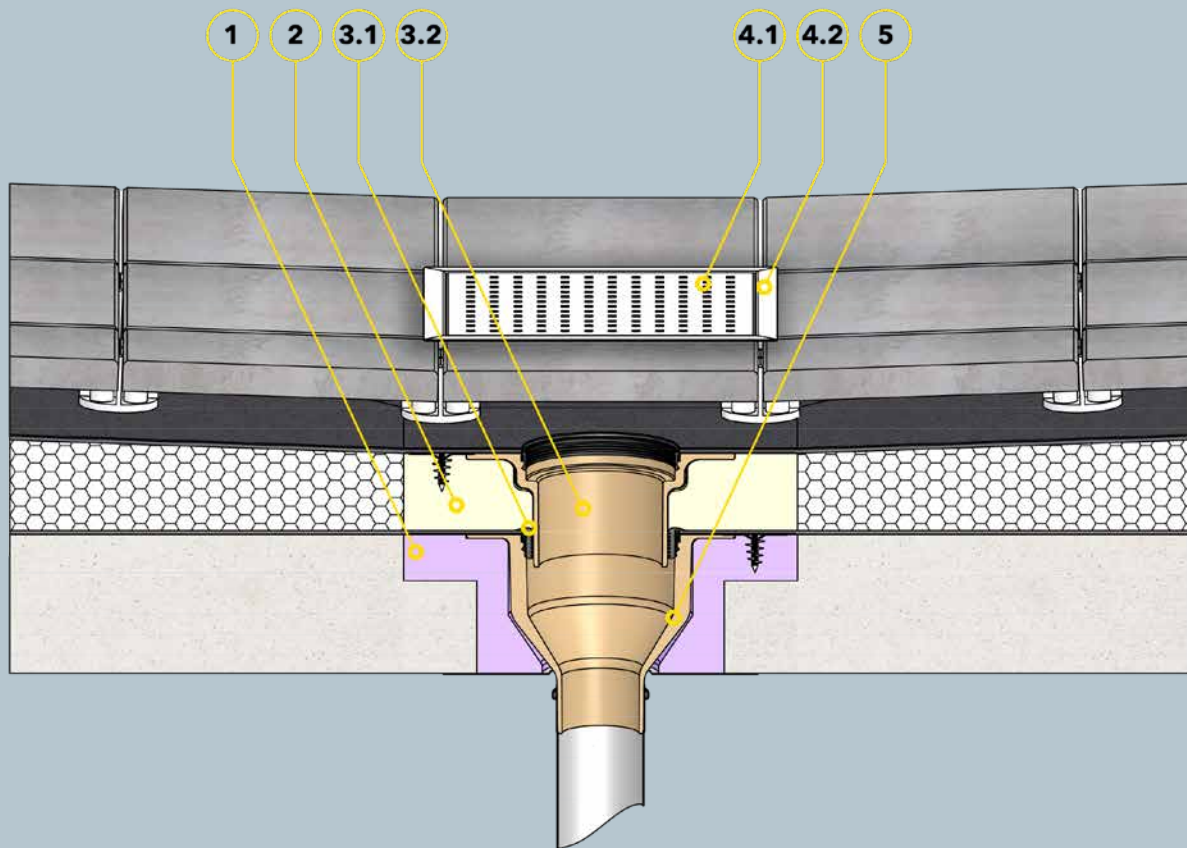


SitaDrain®
area frame

Article number
E 20 90 00

SitaDrain® area frame

SitaDrain® area frame with SitaStandard in a non-ventilated roof structure with slab paving on support pads



SitaDrain®
area frame

Components

- 1 SitaStandard insulating body for outlet
- 2 SitaStandard insulating body for extension unit

SitaStandard extension unit, consisting of:

- 3.1 Sealing ring
- 3.2 Base body

SitaDrain® area frame consisting of:

- 4.1 Inspection grate
- 4.2 Area frame

- 5 SitaStandard vertical

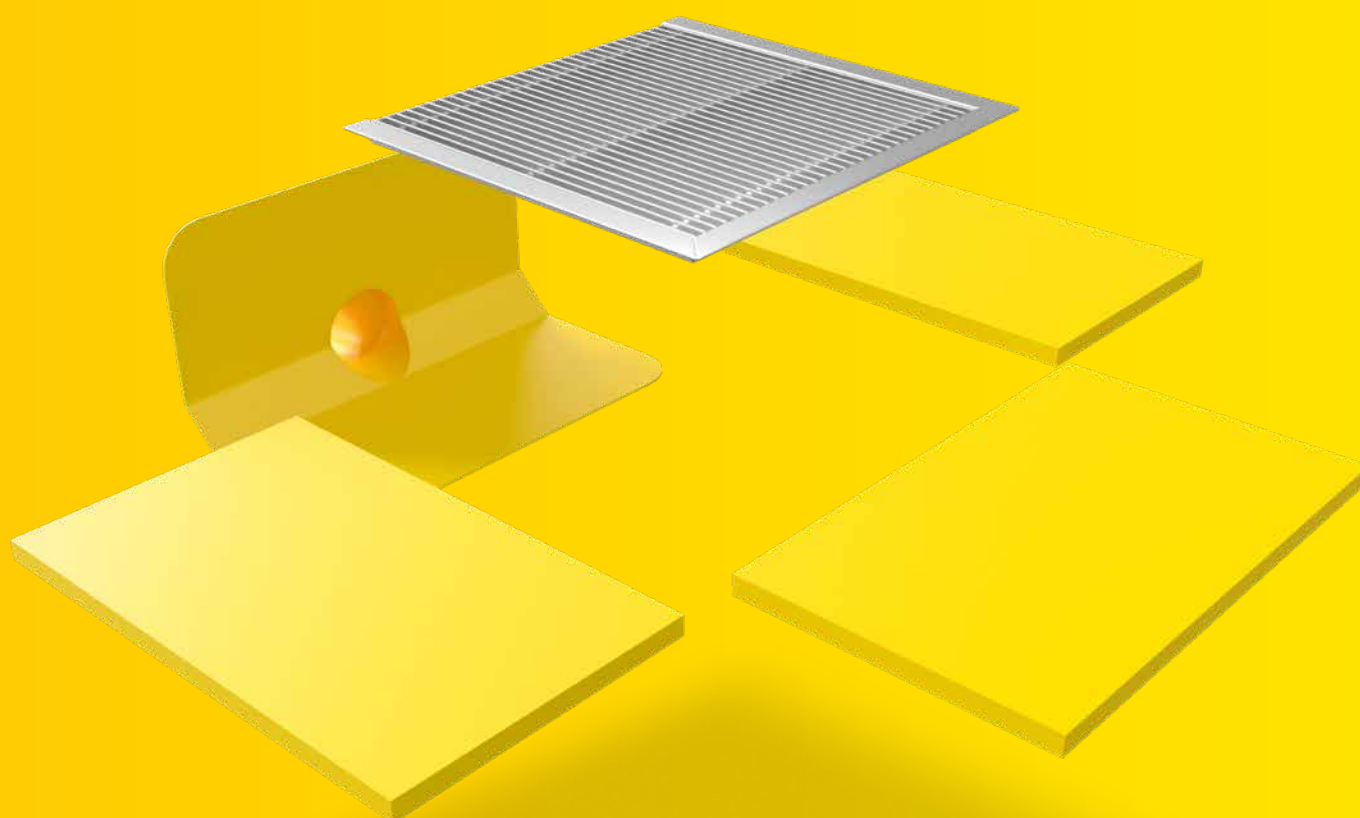
Roof structure

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

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

SitaDrain® profile frame

Visually attractive. Easy to lay.

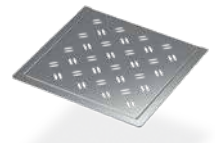


SitaDrain®
profile frame

- + The profile frame means it can also be used with insulation wedges in the parapet area
- + Large height differences can be bridged
- + Ideal supplement to roof or balcony outlet
- + Rust-proof stainless steel or galvanised steel
- + Sits directly on the slab paving
- + Available with different grating designs



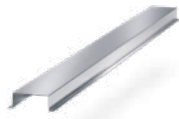
SitaDrain® profile frame
galvanised steel



SitaDrain® profile frame
stainless steel



SitaDrain®
gravel strip



SitaDrain®
junction channel

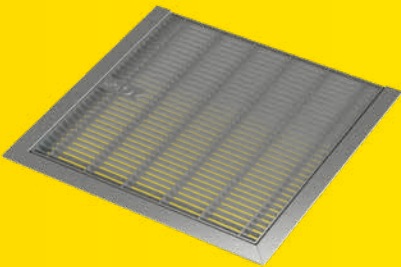
SitaDrain® profile frame

Product features at a glance:

Product features

Applications	For draining rainwater and supplementing the drainage systems on balconies and patios
Material	Galvanised steel 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.

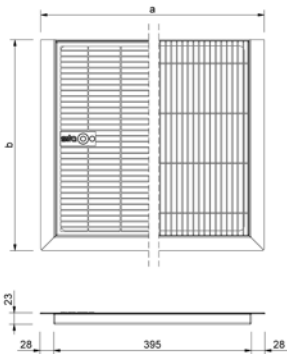
SitaDrain® profile frame galvanised steel



Tender text

SitaDrain® profile frame with grate insert for parapet outlets, made of galvanised steel, load rating class K3 according to DIN EN 1253-2, can be travelled over in a wheelchair, cut-out dimensions 400 mm x 400 mm, with surrounding profile frame to hold the grate and supported on three sides on the slab paving, supply and install to professional standards.

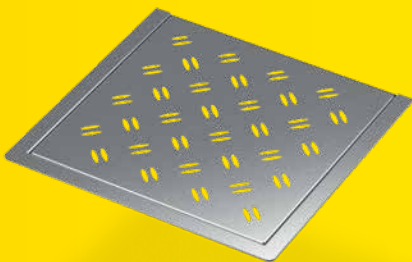
Technical drawing



Execution	a (mm)	b (mm)	Article number
grating	450	425	20 40 40 34
longitudinal bar grating			20 40 40 35

Grate designs			
grating		longitudinal bar grating	

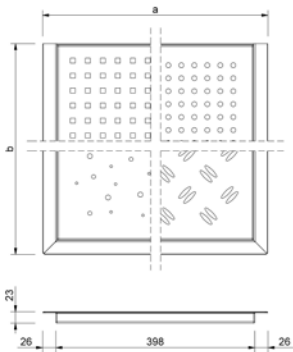
SitaDrain® profile frame stainless steel



Tender text

SitaDrain® profile frame with grate insert, made of rust-proof stainless steel, material number 1.4301, load rating class K3 according to DIN EN 1253-2, can be travelled over in a wheelchair, cut-out dimensions 400 mm x 400 mm, with surrounding profile frame to hold the grate and supported on three sides on the slab paving, supply and install to professional standards.

Technical drawing



Execution	a (mm)	b (mm)	Article number
circular design grating	450	425	25 40 40 30
square design grating			25 40 40 31
elliptical design grating			25 40 40 32
bubble design grating			25 40 40 33
grating			25 40 40 34
longitudinal bar grating			25 40 40 35

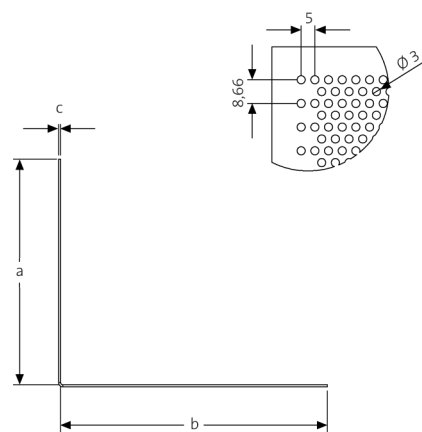
Grate designs					
grating		circular design grating		elliptical design grating	
longitudinal bar grating		square design grating		bubble design grating	



Tender text

SitaDrain® gravel strip, made of perforated aluminium sheet, with one bend, wraparound unperforated edge, in sizes 70 mm x 90 mm, 110 mm x 130 mm and 145 mm x 165 mm. 1000 mm long, resting against the frame of the SitaDrain®, supply and install to professional standards.

Technical drawing



a (mm)	b (mm)	c (mm)	Article number
70	90	1	E 21 10 02
110	130		21 10 98
145	165		21 10 99

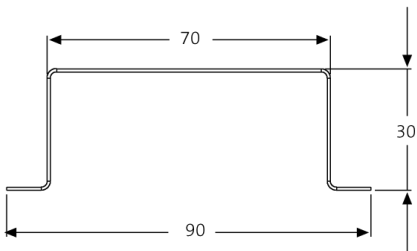
SitaDrain® junction channel



Tender text

SitaDrain® junction channel, made of continuously galvanised steel plate, 30 mm x 70 mm x 1000 mm, with folded coating, for transferring the rainwater from the drainage grate to the outlet, e.g. in a gravel bed, supply and install to professional standards.

Technical drawing

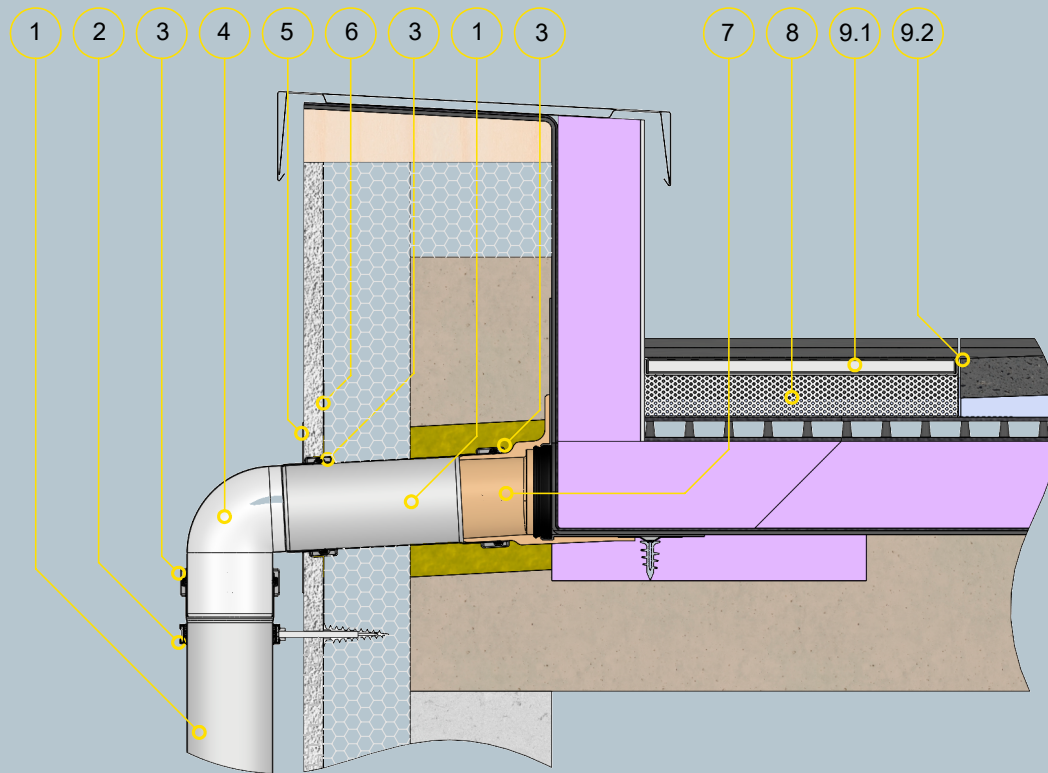


SitaDrain®
profile frame

Article number
E 20 90 00

SitaDrain® profile frame

SitaDrain® profile frame with SitaEasy for main drainage in an inverted roof



SitaDrain®
profile frame

Components

- 1 SitaPipe Edelstahl pipe
- 2 SitaPipe Edelstahl pipe clamp
- 3 SitaPipe Edelstahl safety clamp
- 4 SitaPipe Edelstahl bend
- 5 SitaAttika cladding cover plate
- 6 SitaMore sealing sleeve for WDVS
- 7 SitaEasy
- 8 SitaDrain® gravel strip

SitaDrain® profile frame consisting of:

- 9.1 Profile frame
- 9.2 Inspection grate

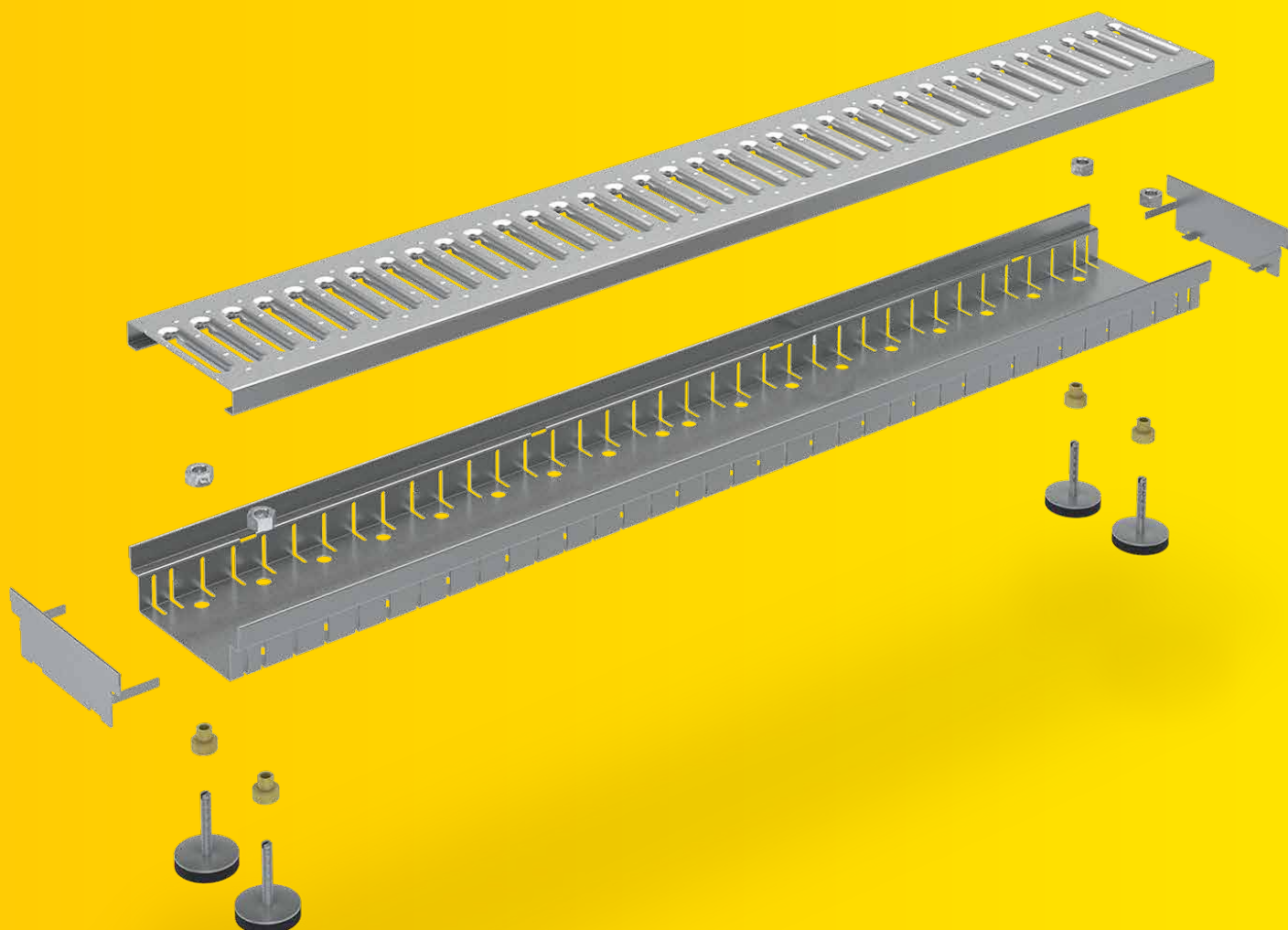
Roof structure

Inverted roof structure to the general rules of engineering with:

- + Slab paving
- + Grit or gravel bed
- + Filter fabric
- + Drainage mat
- + XPS thermal insulation
- + Protective mat
- + Waterproof membrane
- + Substructure

SitaDrain® box drain

Visually attractive. Easy to lay.



SitaDrain®
box drain

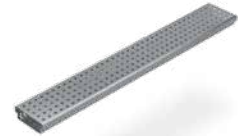
- + For laying on a gravel bed
- + Load class K3
- + With footbridge or mesh cover
- + Heights: 30 mm, 40 mm and 50 mm



SitaDrain® box drain
galvanised steel



SitaDrain® box drain
stainless steel



SitaDrain® box drain
with designer grate,
stainless steel



SitaDrain® box drain
height adjustment set



SitaDrain®
hinged feet



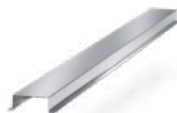
SitaDrain® box drain
fastening



SitaDrain® box drain
head piece



SitaDrain®
gravel strip



SitaDrain®
junction channel

SitaDrain® box drain

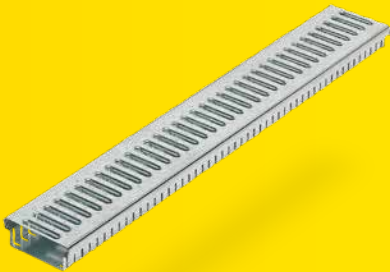
Product features at a glance:

Product features

Applications	For draining rainwater and supplementing the drainage systems on balconies and patios
Material	Galvanised steel stainless steel
Design	Footbridge Grating
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.

SitaDrain® box drain

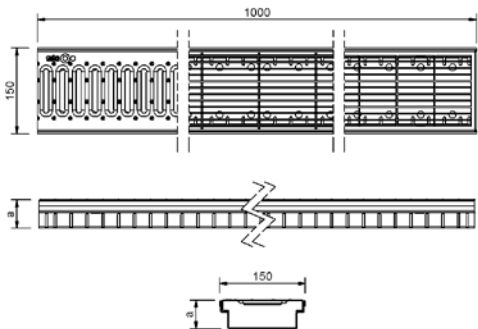
galvanised steel



Tender text

SitaDrain® box drain with footbridge, gutter and footbridge made of continuously galvanised steel with a material thickness of 1.5 mm. Dimension 150 mm x 1000 mm, footbridge with small elevations for slip resistance, free cross-section of the footbridge ($A = \text{approx. } 220 \text{ cm}^2$), gutter with 4 mm-wide slots for drainage of rainwater from the top layer to the waterproofing layer, load class K3. In heights 30 mm, 40 mm or 50 mm, including connection claws, supply and install to professional standards.

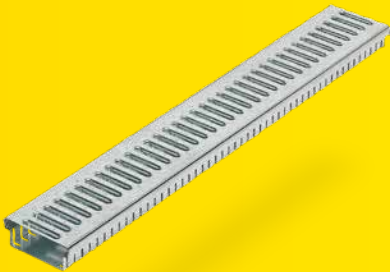
Technical drawing



Execution	a (mm)	Article number
With footbridge	30	24 15 30
With mesh cover		24 15 35
longitudinal bar grating		24 30 15
With footbridge	40	24 15 40
With mesh cover		24 15 45
longitudinal bar grating		24 40 15
With footbridge	50	24 15 50
With mesh cover		24 15 55
longitudinal bar grating		24 50 15

Grate designs					
footbridge		grating		longitudinal bar grating	

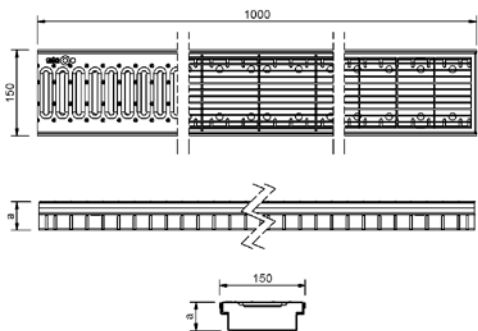
SitaDrain® box drain stainless steel



Tender text

SitaDrain® box drain with footbridge, gutter and footbridge made of stainless steel, material number 1.4301, with a material thickness of 1.5 mm. Dimension 150 mm x 1000 mm, footbridge with small elevations for slip resistance, free cross-section of the footbridge ($A = \text{approx. } 220 \text{ cm}^2$), gutter with 4 mm-wide slots for drainage of rainwater from the top layer to the waterproofing layer, load class K3. In heights 30 mm, 40 mm or 50 mm, including connection claws, supply and install to professional standards.

Technical drawing



Execution	a (mm)	Article number
footbridge	30	22 15 30
grating		22 15 35
longitudinal bar grating		22 30 15
footbridge	40	22 15 40
grating		22 15 45
longitudinal bar grating		22 40 15
footbridge	50	22 15 50
grating		22 15 55
longitudinal bar grating		22 50 15

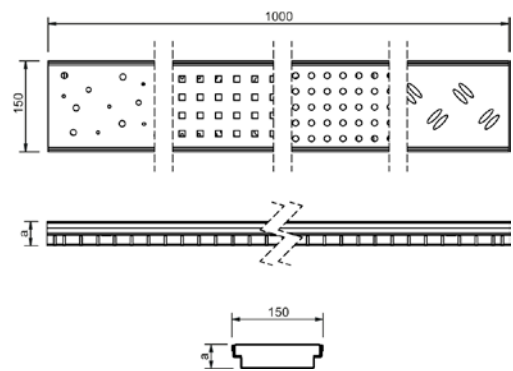
Grate designs					
footbridge		grating		longitudinal bar grating	

SitaDrain® box drain
with designer grate,
stainless steel

Tender text

SitaDrain® box drain with footbridge, gutter and footbridge made of stainless steel, material number 1.4301, with a material thickness of 1.5 mm. Dimension 150 mm x 1000 mm, footbridge with small elevations for slip resistance, free cross-section of the footbridge (A = approx. 220 cm²), gutter with 4 mm-wide slots for drainage of rainwater from the top layer to the waterproofing layer, load class K3. In heights 30 mm, 40 mm or 50 mm, including connection claws, supply and install to professional standards.

Technical drawing



Execution	a (mm)	Article number
circular design grating	30	22 30 11
square design grating		22 30 12
elliptical design grating		22 30 13
bubble design grating		22 30 14
circular design grating	40	22 40 11
square design grating		22 40 12
elliptical design grating		22 40 13
bubble design grating		22 40 14
circular design grating	50	22 50 11
square design grating		22 50 12
elliptical design grating		22 50 13
bubble design grating		22 50 14

Grate designs							
circular		square		elliptical		bubble	

SitaDrain®
box drain

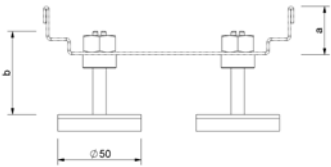
SitaDrain® box drain height adjustment set



Tender text

SitaDrain® height adjustment set, consisting of rubber feet with stainless steel threaded rods M8, hexagonal nuts M12 and brass sleeves, for infinite height adjustment of the SitaDrain® box drain made of rust-proof stainless steel (6 rubber feet) or galvanised steel (4 rubber feet) from 50 mm - 150 mm, for longitudinal bar and grating from 60 mm - 150 mm, supply and install to professional standards.

Technical drawing



Height adjustment set no.	b (mm)	Gutter height a = 30mm	Gutter height a = 40mm	Gutter height a = 50mm	Material of SitaDrain® box drain	Article number
Set 1	30	50* - 70 mm	60 - 80 mm	70 - 90 mm	stainless steel	22 91 30
					galvanised steel	24 91 30
Set 2	50	70* - 90 mm	70* - 100 mm	70* - 110 mm	stainless steel	22 91 50
					galvanised steel	24 91 50
Set 3	90	110* - 130 mm	110* - 140 mm	110* - 150 mm	stainless steel	22 91 90
					galvanised steel	24 91 90

* minimum height setting for grid and longitudinal bar grates +10 mm

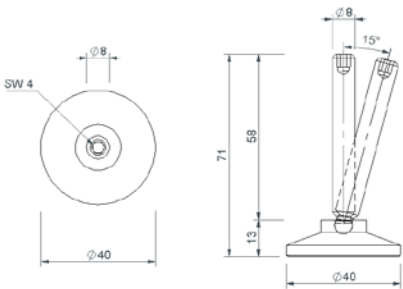
SitaDrain® hinged feet



Tender text

SitaDrain® hinged feet, height adjustment set with hinged feet, for infinite height adjustment of the SitaDrain® box drain made of rust-proof stainless steel (6 hinged feet) or galvanised steel (4 hinged feet) from 80 mm - 120 mm, consisting of lock nuts M12, brass sleeves and hinged feet M8, supply and install to professional standards.

Technical drawing



Gutter height a = 30 mm	Gutter height a = 40 mm	Gutter height a = 50 mm	Material of SitaDrain® box drain	Article number
80* - 100 mm	80* - 110 mm	80* - 120 mm	stainless steel	22 80 20
			galvanised steel	24 80 20

* minimum height setting for grid and longitudinal bar grates +10 mm

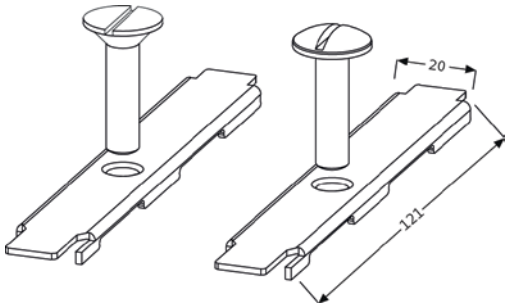
SitaDrain® box drain fastening



Tender text

SitaDrain® box drain fastening for footbridge and mesh cover, made of rust-proof stainless steel, material number 1.4301. Consisting of two fastenings measuring 121 mm x 20 mm and 2 countersunk slot screws/ panhead slot screws to secure the grate in the box drain, supply and install to professional standards.

Technical drawing



Execution	Article number
for footbridge rust-proof stainless steel and galvanised steel	22 15 10
for mesh cover rust-proof stainless steel	22 15 15
for mesh cover galvanised steel	22 15 20

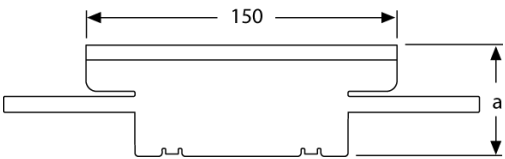
SitaDrain® box drain head piece



Tender text

SitaDrain® box drain head piece, made of rust-proof stainless steel, material number 1.4301, or continuously galvanised steel for the SitaDrain® box drain with a height of 30 mm, 40 mm or 50 mm, supply and install to professional standards.

Technical drawing



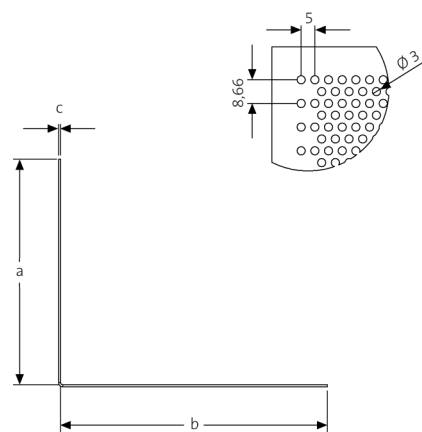
a (mm)	Article number stainless steel	Article number galvanised steel
30	E22 15 31	E24 15 31
40	E22 15 41	E24 15 41
50	E22 15 51	E24 15 51



Tender text

SitaDrain® gravel strip, made of perforated aluminium sheet, with one bend, wraparound unperforated edge, in sizes 70 mm x 90 mm, 110 mm x 130 mm and 145 mm x 165 mm. 1000 mm long, resting against the frame of the SitaDrain®, supply and install to professional standards.

Technical drawing



a (mm)	b (mm)	c (mm)	Article number
70	90	1	E 21 10 02
110	130		21 10 98
145	165		21 10 99

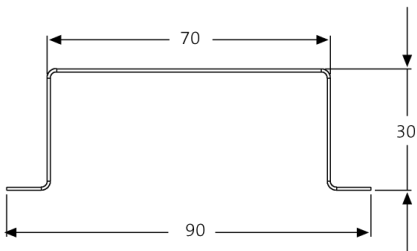
SitaDrain® junction channel



Tender text

SitaDrain® junction channel, made of continuously galvanised steel plate, 30 mm x 70 mm x 1000 mm, with folded coating, for transferring the rainwater from the drainage grate to the outlet, e.g. in a gravel bed, supply and install to professional standards.

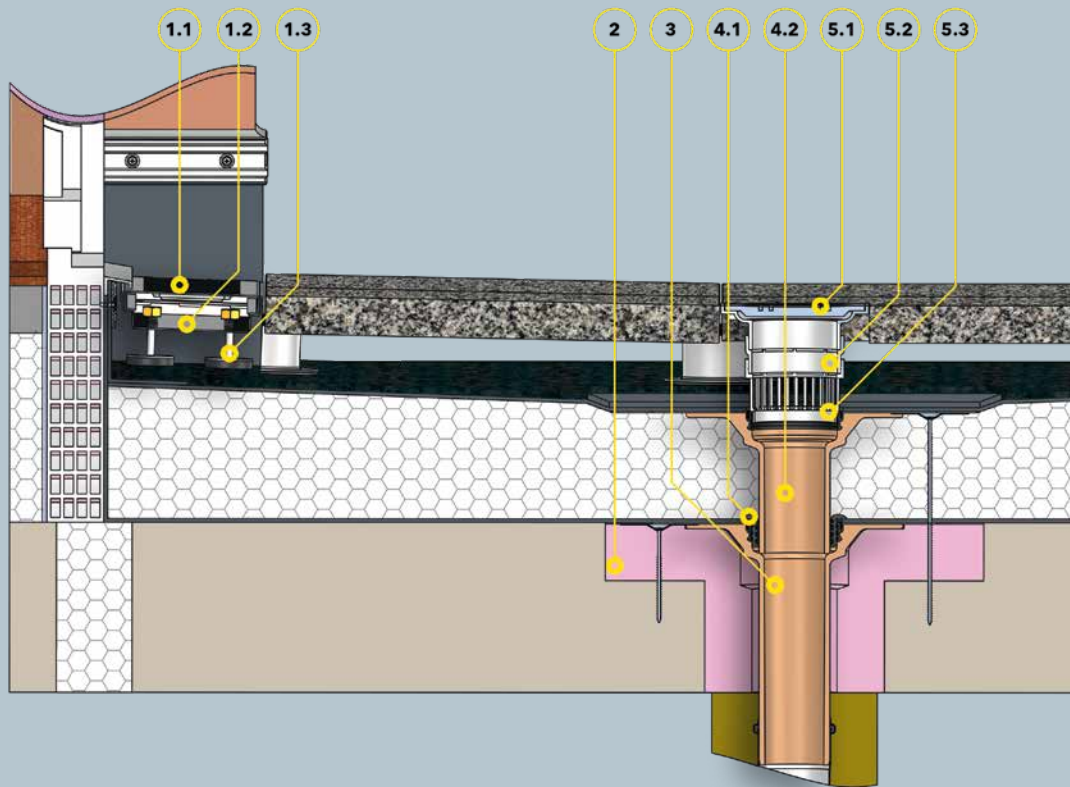
Technical drawing



Article number
E 20 90 00

SitaDrain® box drain

SitaDrain® box drain and SitaCompact in a non-ventilated roof structure with slab paving on support pads



SitaDrain®
box drain

Components

SitaDrain® box drain consisting of:

- 1.1 Mesh cover
- 1.2 Base body
- 1.3 Height adjustment set

- 2 SitaCompact insulating body
- 3 SitaCompact vertical

SitaCompact extension unit consisting of:

- 4.1 Sealing ring
- 4.2 Base body

SitaCompact balcony outlet grating consisting of:

- 5.1 End grate
- 5.2 Height compensation piece
- 5.3 Inlet filter grille

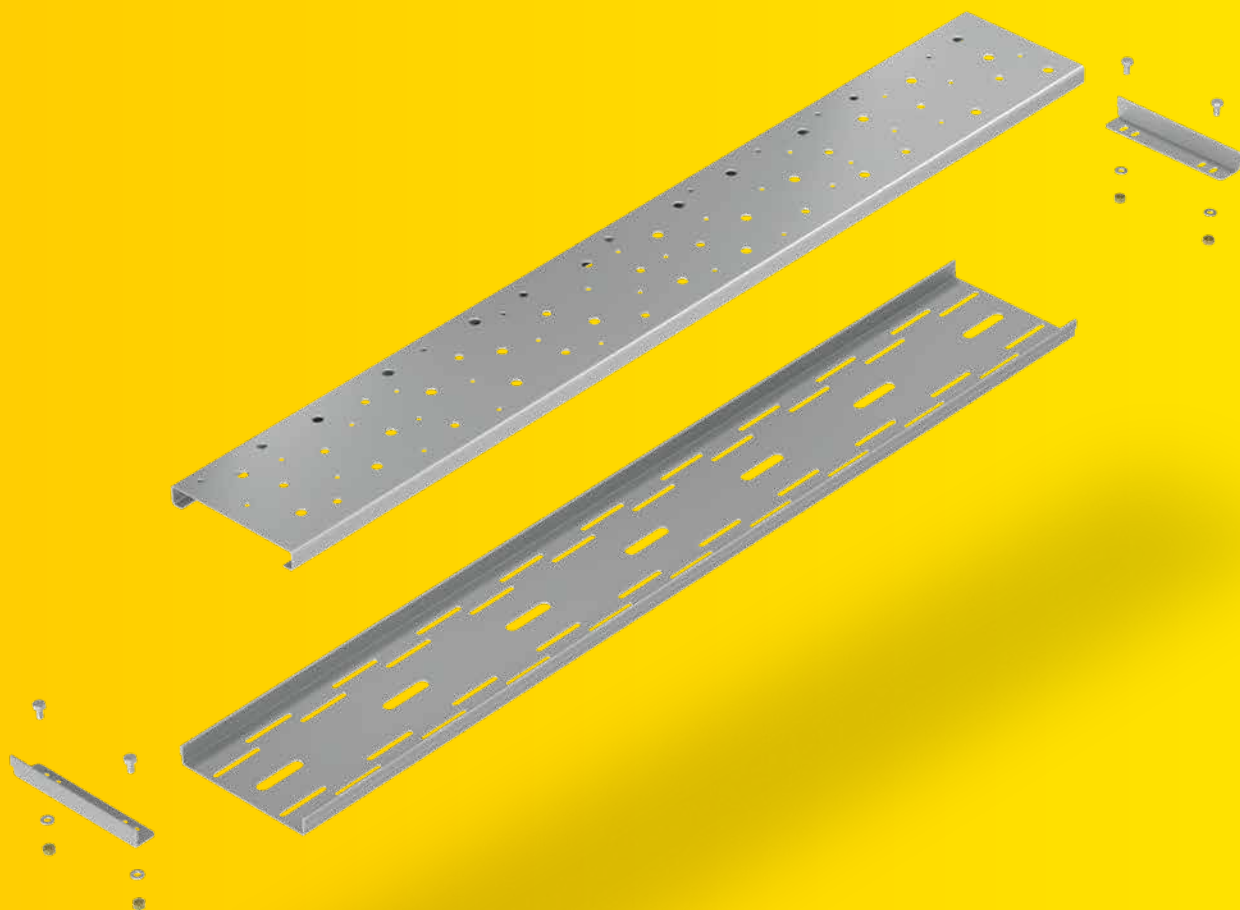
Roof structure

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

SitaDrain® Wood

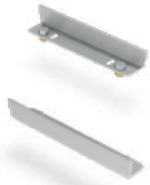
Extremely flat. Quick to install.



- + For laying with timber or WPC covering
- + Meets the requirements of load rating class K3
- + With mesh cover, footbridge or designer grate
- + Height: 22 mm



SitaDrain® Wood
stainless steel



SitaDrain® Wood
head piece

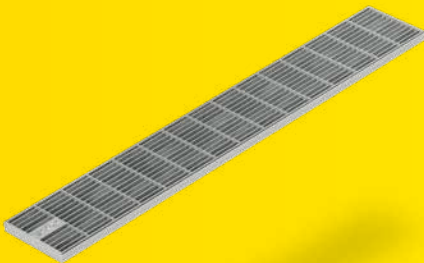
SitaDrain® Wood

Product features at a glance:

Product features

Applications	For draining rainwater and supplementing the drainage systems on balconies and terraces with timber or WPC covering.
Material	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 + Very low installed height
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.

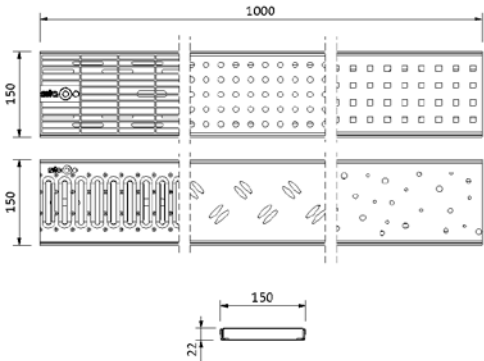
SitaDrain® Wood stainless steel



Tender text

SitaDrain® Wood with grate insert, gutter and grate insert made of rust-proof stainless steel, material number 1.4301, with a material thickness of 1.5 mm, meets the requirements of load rating class K3 to DIN EN 1253-2, can be travelled over in a wheelchair, in the dimensions 150 mm x 1000 mm, suitable for used roof surfaces covered with timber, WPC, etc., directly laid on substructure on site, supply and install to professional standards.

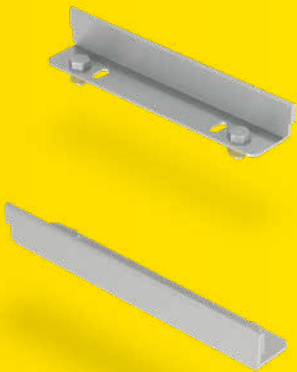
Technical drawing



Execution	Article number
grating	22 20 05
footbridge	22 20 10
circular design grating	22 20 11
square design grating	22 20 12
elliptical design grating	22 20 13
bubble design grating	22 20 14

Grate designs					
footbridge		grating		circular	
square		elliptical		bubble	

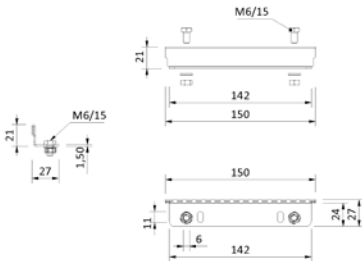
SitaDrain® Wood head piece



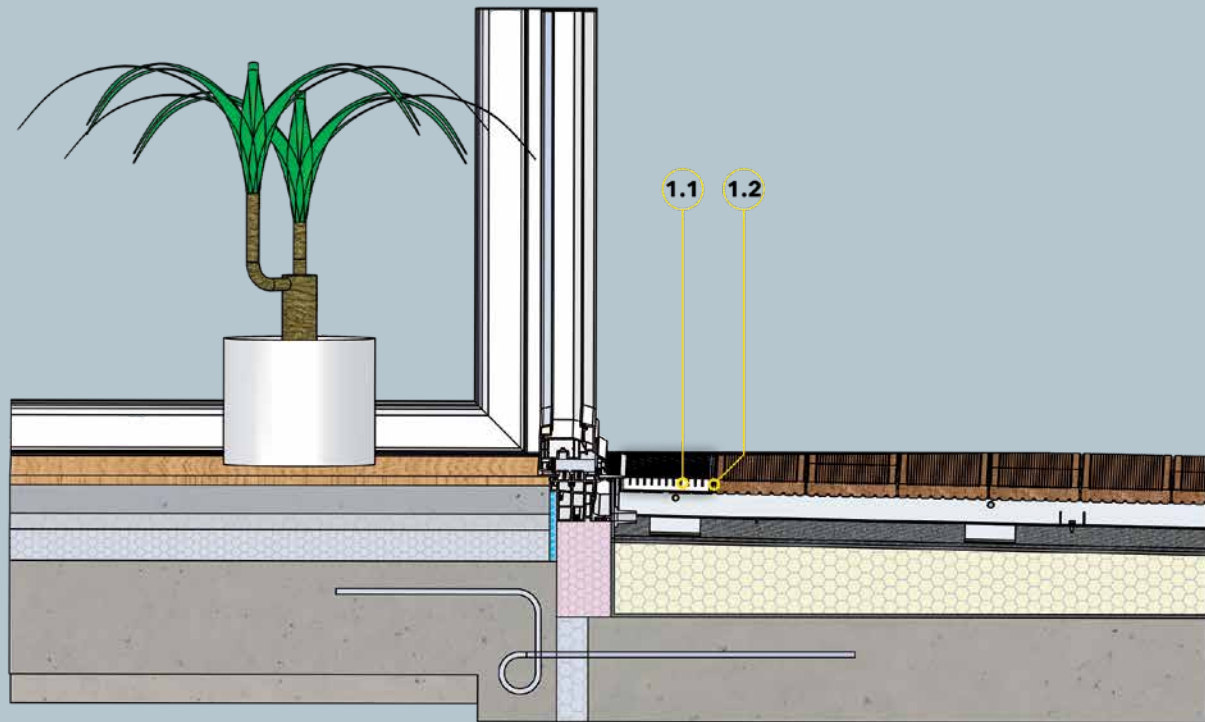
Tender text

SitaDrain® Wood head piece, made of rust-proof stainless steel, material number 1.4301, consisting of two head pieces, four M6 bolts, four M6 nuts and four washers, supply and install to professional standards.

Technical drawing



Article number
E 18 70 08



Components

SitaDrain® Wood consisting of:

- 1.1 Inspection grate
- 1.2 Base body

Roof structure

Non-ventilated roof structure with timber covering on aluminium substructure according to the general rules of engineering with:

- + Wood decking
- + Aluminium substructure according to system provider
- + Building protection mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure

Our free calculation service.

**Do you need planning security?
We can provide advice and help.
And we make it very easy for you.**

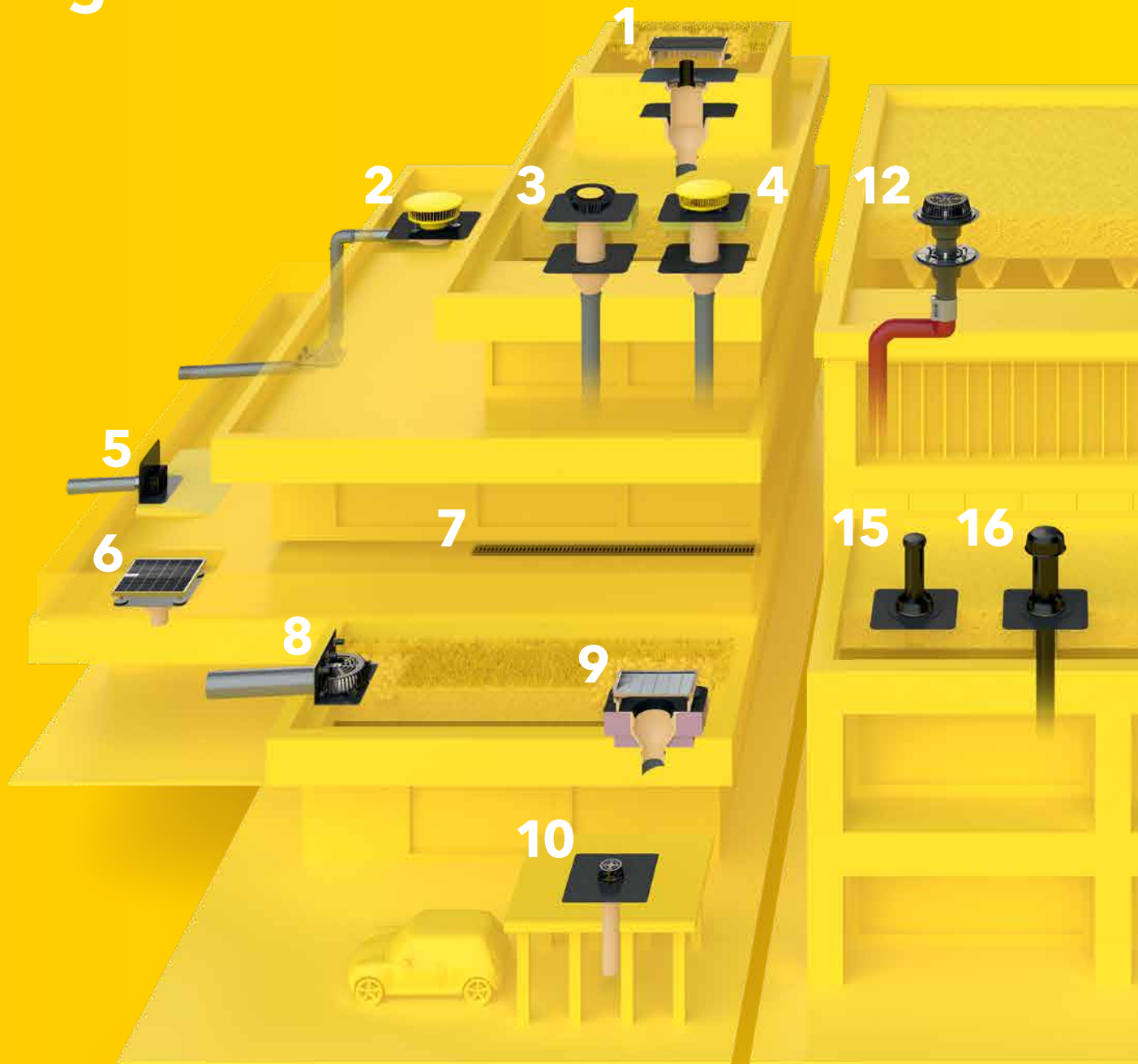
Our experts calculate your main and emergency drainage in compliance with the standards, based on the data of your roof area. Giving us the location of your project enables us to include precise rainfall data in the calculation. That gives you an accurate result calculated easily and exclusive for exactly your project-personal and precise. Simply complete our online form and send it to us.

If you have any questions,
feel free to give us a call:
+44 (0) 7402239777

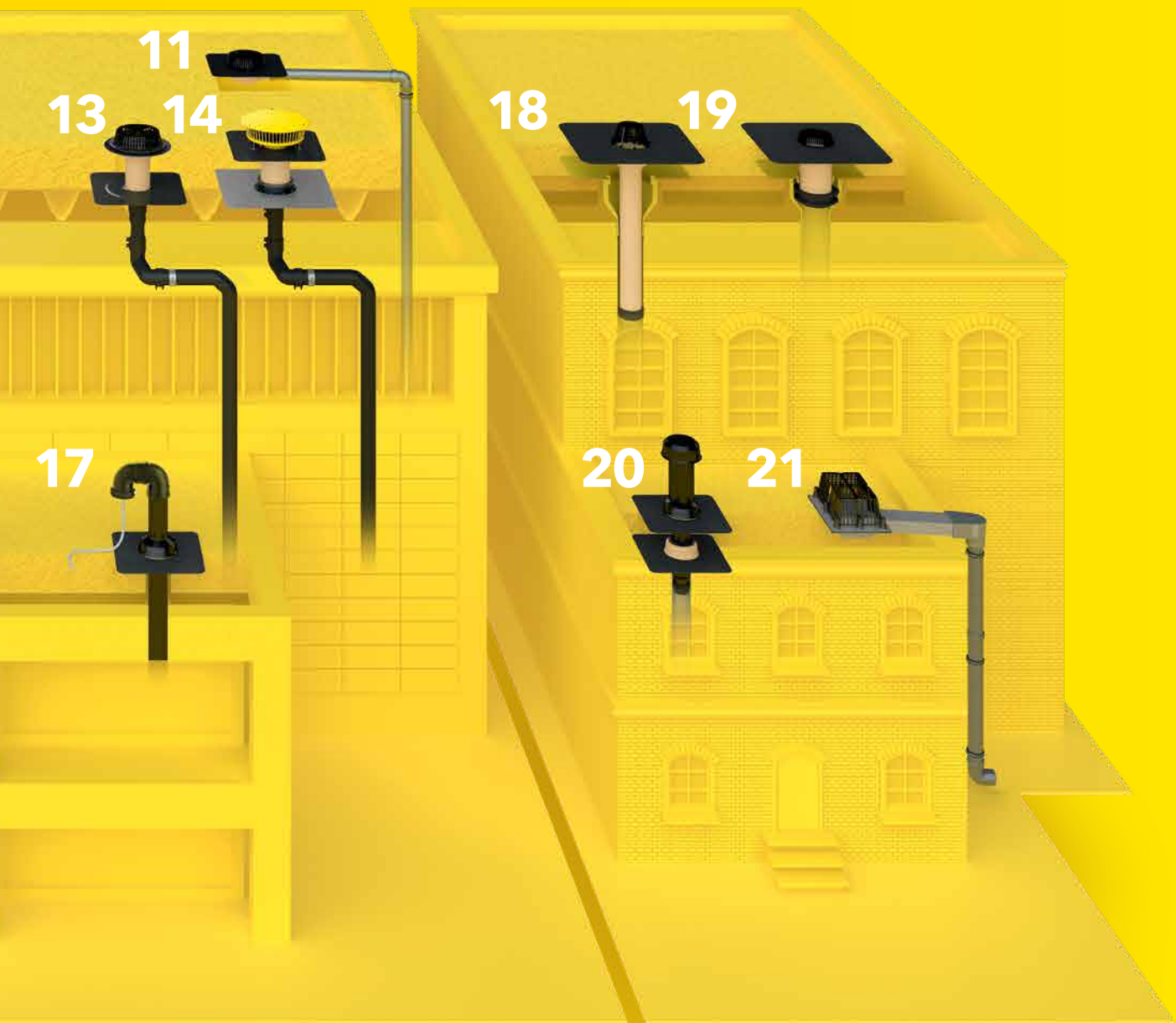


**Sita advice provided
the security
I needed at all
phases of planning
and construction.**

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

Sita direct. Contacts.

**Export
Manager**



Udo Happe
Ferdinand-Braun-Straße 1
D-33378 Rheda-Wiedenbrück
T +49 2522 8340-178
M +49 173 6588061
E u.happe@sita-baelemente.de

**Business
Development
Manager**



Cengiz Karadeniz
Ferdinand-Braun-Straße 1
D-33378 Rheda-Wiedenbrück
T +49 2522 8340-362
M +49 172 5746343
E c.karadeniz@sita-baelemente.de

**Technical
Consultant**



Ben Ward
Sita Bauelemente GmbH/UK
26 Whirlow Court Road
Sheffield, S11 9NT
United Kingdom
T +44 (0) 7402239777
E b.ward@sita-baelemente.co.uk

**Export
Area Manager**



Ivan Eremin
Ferdinand-Braun-Straße 1
D-33378 Rheda-Wiedenbrück
T +49 2522 8340-369
M +49 171 3811079
E i.eremin@sita-baelemente.de

**Sales
Department
Export**



Sarah Möller
Ferdinand-Braun-Straße 1
D-33378 Rheda-Wiedenbrück
T +49 2522 8340-149
E s.moeller@sita-baelemente.de

**Sales
Department
Export**



Tanja Bauersfeld
Ferdinand-Braun-Straße 1
D-33378 Rheda-Wiedenbrück
T +49 2522 8340-351
E t.bauersfeld@sita-baelemente.de

Internal Sales Conventional Drainage
F +49 2522 8340-140
E vertrieb@sita-baelemente.de

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- + First EPD for the area of flat roof drainage according to ISO 14025 and EN 15804
- + Life Cycle Assessment for Polyurethane Components
- + Consideration of the life cycle process
- + Ensuring sustainability & corporate transparency



Information on the ecological balance of products is increasingly being requested. With the EPD, Environmental Product Declaration, we are taking a further step towards sustainability and corporate transparency.

Learn more



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Sita product segments:



Conventional
drainage



Balcony and
terrace drainage



Fire
protection



Siphonic
drainage



Drainage



Pipe



Emergency
drainage



Green roof
and retention



Parapet
drainage



Refurbishment



Kaskade



Ventilation and
pipe fairlead

Sita Bauelemente GmbH
Ferdinand-Braun-Straße 1
33378 Rheda-Wiedenbrück
T +49 2522 8340-0
E info@sita-bauelemente.de
W sita-bauelemente.de

