

**SitaMulti**  
**Versatile.**  
**Uniquely**  
**resistant.**



- + Non-flammable
- + High discharge volume
- + Size up to DN 150



**SitaMulti**  
rainwater outlet, vertical



**SitaMulti**  
extension unit



**SitaMulti**  
grating frame



**SitaMulti**  
height adjustment unit



**SitaMore**  
retaining element



**SitaMulti**  
insulating body  
for rainwater outlet



**SitaMulti**  
compensating ring



**SitaMulti**  
insulating body  
for extension unit



**SitaMore**  
reinforcement plate



**SitaMore**  
safety heating system



**SitaMulti**  
construction period  
protective cover

# SitaMulti

## Product features at a glance

### Product features

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<b>Areas of use</b>	<b>For main and emergency drainage to DIN EN 12056-3 and DIN 1986-100 and for the preventative fire safety for large used and unused flat and gently sloped roofs</b>
<b>Material</b>	<b>Cast iron</b>
<b>Material</b>	<b>EN-GJL-200</b>
<b>Connection type</b>	<b>Loose-fixed flange construction</b>
<b>Design</b>	<b>Vertical</b>
<b>Colour</b>	<b>Grey</b>
<b>Finish</b>	<b>Smooth</b>
<b>Temperature resistance min.</b>	<b>-20 °C</b>
<b>Building material class</b>	<b>A1 non-flammable</b>
<b>General properties</b>	<b>Surface free of sharp edges</b>
<b>Properties</b>	<b>+ Excellent weather resistance (UV/IR radiation) + Resistant to normal environmental influences + Impact and shock resistant + Durable + Low noise + Large inlet pot + Universal for any waterproofing</b>
<b>Workmanship</b>	<b>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.</b>

### Quality marks

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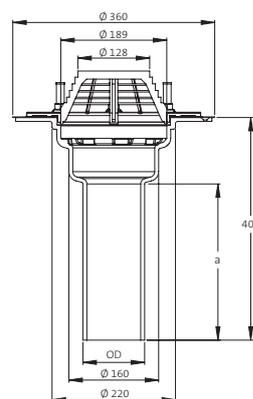
# SitaMulti vertical



## Tender text

**SitaMulti roof outlet**, vertical, made of cast iron, material EN-GJL-200 to DIN EN 1253-2 with enhanced quality standard to RAL quality mark GZ-694, in sizes DN 80, DN 100, DN 125 and DN 150. For direct connection to SML pipes, for conventional drainage, with internal cams to support the frame, with drill holes for securing the rainwater outlet in the substructure, with weepholes, two sealing sleeves, six stainless steel secured grub screws M12, washers, brass hexagonal nuts and caps, with loose-fixed flange construction for clamping bitumen, plastic or EPDM roofing membranes, supply complete, including dome grate, and installation to professional standards.

## Technical drawing



## Nominal diameters, dimensions, core drill holes and article numbers

Size DN	OD*	a (mm)	Opening/Core drill hole (mm)	Article number
80	83	277	ø 250	40 03 99
100	110	280		40 04 99
125	135	286		40 06 99
150	160	343		40 08 99

\*OD =Outer diameter (mm)

## Drainage capacities in l/s to DIN EN 1253

DN	Head of water (mm)												
	5	10	15	20	25	30	35	40	45	50	55	60	65
80	0.5	1.4	2.2	3.3	4.4	5.6	6.7	8.0	9.3	10.7	12.0	13.4	14.7
100	0.8	1.8	2.7	4.1	5.4	6.6	7.7	8.9	10.1	11.3	12.5	13.9	15.2
125	0.5	1.4	2.2	3.3	4.4	5.6	6.8	7.9	9.0	10.4	11.8	13.2	14.5
150	0.5	1.1	1.7	2.8	3.9	5.1	6.2	7.5	8.7	10.2	11.6	13.1	14.6

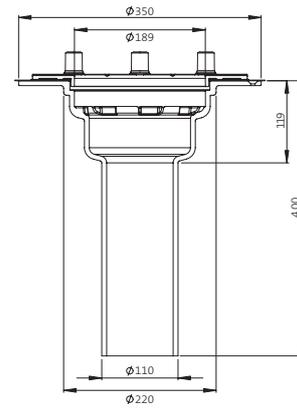
# SitaMulti extension unit



## Tender text

**SitaMulti extension unit**, made of cast iron, material EN-GJL-200, to DIN EN 1253-2 with enhanced quality standard to RAL quality mark GZ-694, for SitaMulti rainwater outlet. With drill holes for securing the extension unit in the substructure, with weepholes, two sealing sleeves, six stainless steel secured grub screws M12, washers, brass hexagonal nuts and caps, with loose-fixed flange construction for clamping bitumen, plastic or EPDM roofing membranes, supply complete, including multi-lip angled sealing ring for backflow safety and installation to professional standards.

## Technical drawing



## Bridging size of thermal insulation and article number

Bridging size of thermal insulation from-to (mm)	Article number
80-300	40 27 99

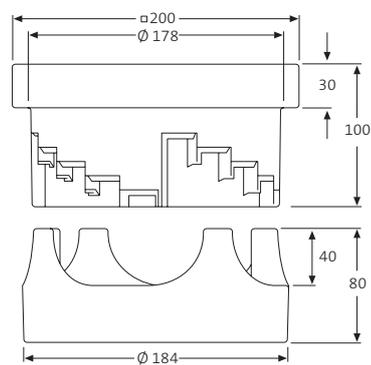
# SitaMulti grating frame



## Tender text

**SitaMulti grating frame**, made of cast iron, material EN-GJS-500-7, consisting of frame, support ring and bolted end grate, classification M125. To reduce the loads through the SitaMulti rainwater outlet and the SitaMulti extension unit into the support structure, for a height adjustment of 90-130 mm. Supply and installation to professional standards.

## Technical drawing



## Height and article number

Height from-to (mm)	Article number
90-130	11 90 60

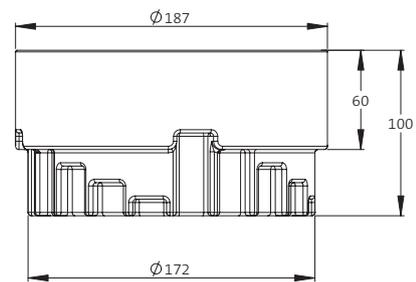
# SitaMulti height adjustment unit



## Tender text

**SitaMulti height adjustment unit**, made of cast iron, material EN-GJS-500-7, for additional height adjustment for the SitaMulti grating frame. Supply and installation to professional standards.

## Technical drawing



## Number, height and article number

Number	Height from-to (mm)	Article number
1	140-220	E11 90 66
2	200-310	

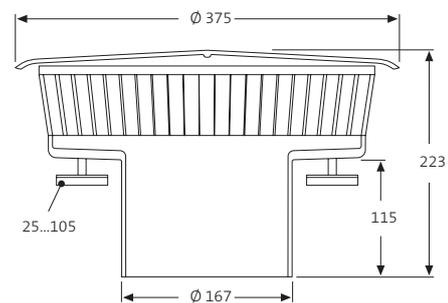
# SitaMore retaining element



## Tender text

**SitaMore retaining element**, made of polyamide, to DIN EN 1253-2 with enhanced quality standard to RAL quality mark GZ-694, for SitaStandard rainwater outlets and extension units, for emergency drainage, for retaining heights of 25-105 mm and for SitaMulti roof outlets and extension units for emergency drainage, for retaining heights of 35-105 mm, with multi-lip angle seal to seal the retaining element against the roof outlet or extension unit. With three infinitely height-adjustable rubber/metal buffers, installation area per foot: 19.6 cm<sup>2</sup>, with galvanised threaded rod M 8 mm x 90 mm, with bolted sealed cover which can be removed for inspection, housing with 51 surrounding lugs, in yellow signal colour. Retaining heights are infinitely adjustable, with large inlet pot to increase drainage capacity, supply in full and installation to professional standards.

## Technical drawing



## Retaining height and article number

Retaining element for series	Retaining height from-to (mm)	Article number
SitaStandard	25-105	10 90 01
SitaMulti	*35-105	

\*For retaining heights of 35-50 mm the grub screws for the SitaMulti rainwater outlet and extension unit must be shortened.

## Drainage capacities in l/s to DIN EN 1253

DN	SitaMulti with SitaMore retaining element												
	Head of water (mm)												
	5	10	15	20	25	30	35	40	45	50	55	60	65
80	0.5	1.6	2.6	4.0	5.4	7.1	8.7	10.6	12.5	14.7	16.8	17.6	18.4
100	0.9	2.2	3.4	4.9	6.4	8.1	9.8	12.1	14.3	16.9	19.4	23.3	27.2
125	1.0	2.3	3.5	5.0	6.4	8.3	10.2	12.4	14.5	17.1	19.7	25.9	32.1
150	0.6	1.9	3.2	4.6	5.9	7.7	9.5	11.6	13.7	16.5	19.3	26.4	33.4

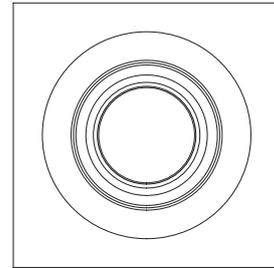
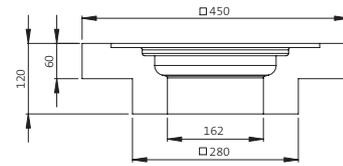
# SitaMulti insulating body for rainwater outlet



## Tender text

**SitaMulti insulating body for rainwater outlet**, made of foam glass, WLG 040. For thermal insulation of the SitaMulti roof outlet in the concrete ceiling, 120 mm height, can be used as concealed formwork for concreting, supply and installation to professional standards.

## Technical drawing



## Height and article number

Height (mm)	Article number
120	E40 90 03

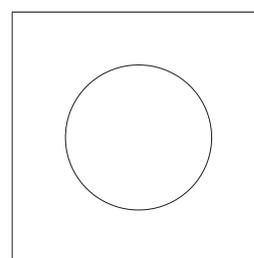
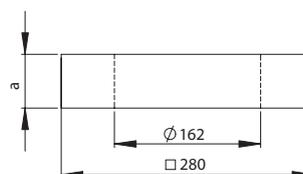
# SitaMulti compensating ring



## Tender text

**SitaMulti compensating ring**, made of foam glass, WLG 040, 40 mm or 60 mm in height. For thermal insulation for the SitaMulti roof outlet in the concrete ceiling at heights over 120 mm, supply and installation to professional standards.

## Technical drawing



## Height and article number

a (mm)	Article number
40	E40 90 04
60	E40 90 05

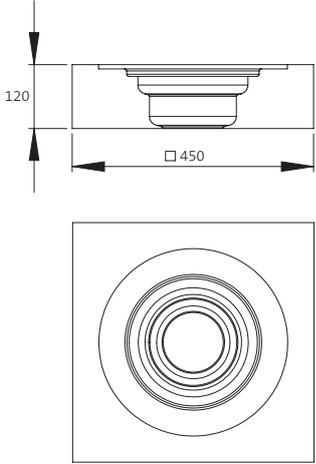
# SitaMulti insulating body for extension unit



### Tender text

**SitaMulti insulating body for extension unit**, made of foam glass, WLG 040. For thermal installation and to support the extension unit, 120 mm in height, supply and installation to professional standards.

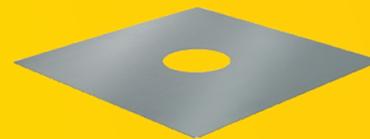
### Technical drawing



### Height and article number

Height (mm)	Article number
120	E40 90 06

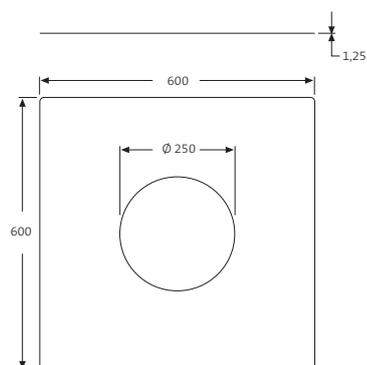
# SitaMore reinforcement plate



## Tender text

**SitaMore reinforcement plate**, made of galvanised sheet steel, to reinforce small penetrations in the trapezoidal steel sheet, for SitaDSS Profi, SitaStandard, SitaTrendy, SitaTrendy screw-on flange, SitaVent system vent DN 150/160, SitaMulti and SitaDSS, supply and installation to professional standards.

## Technical drawing



## Model and article number

For model	Article number
SitaStandard   SitaTrendy   SitaTrendy screw-on-flange   Sita Multi   SitaDSS Multi   SitaDSS Profi   SitaVent system vent DN 150	10 90 00

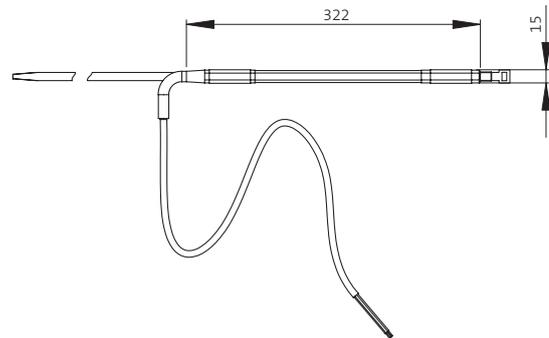
# SitaMore safety heating system



## Tender text

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

## Technical drawing



## Power supply and article number

Power supply	Heat rating at -20°C	Article number
230 V	approx. 10 W	10 90 35

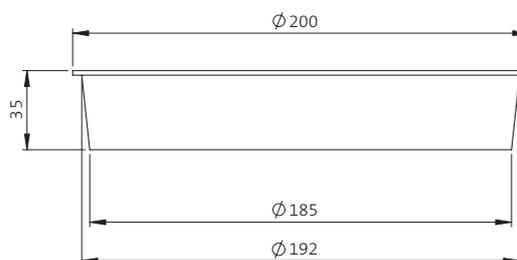
# SitaMulti construction period protective cover



## Tender text

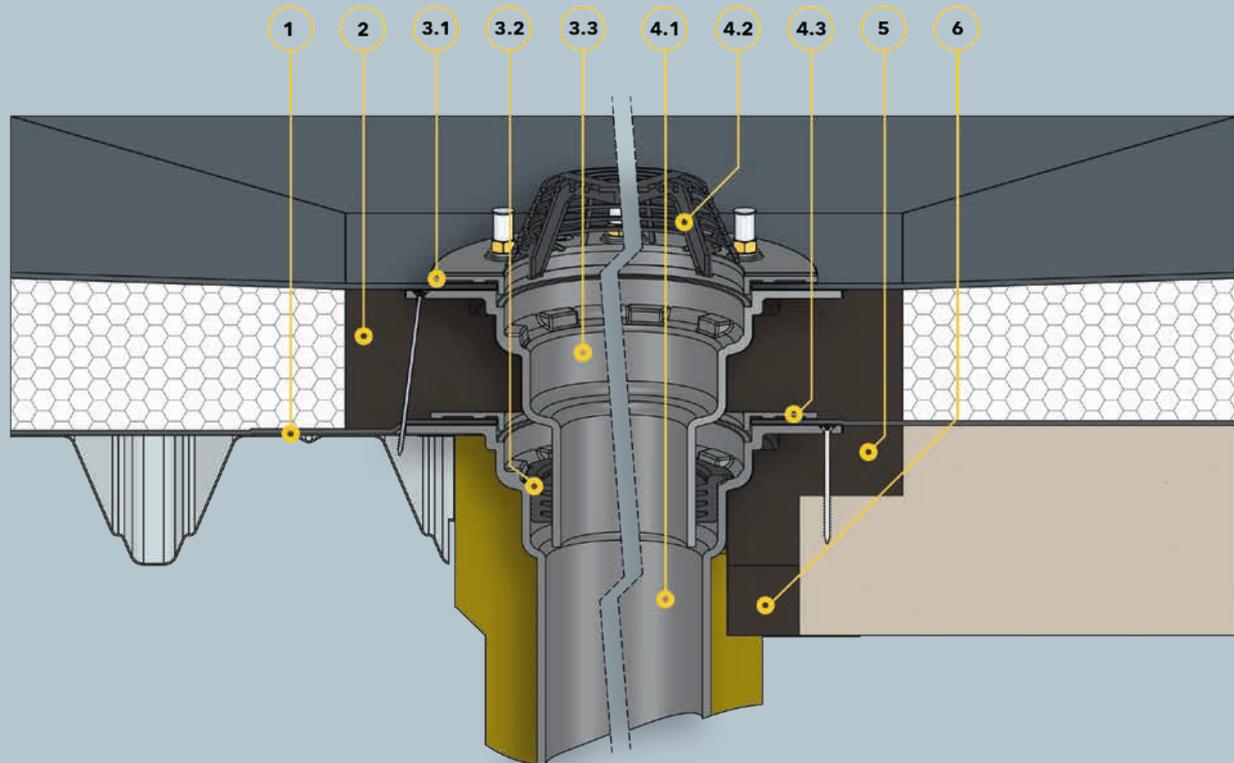
**SitaMulti construction period protective cover**, inserted in drain body, it prevents the ingress of items during the construction period. Supply and installation to professional standards.

## Technical drawing



## Model and article number

For model	Article number
SitaMulti	E40 90 10



SitaMulti

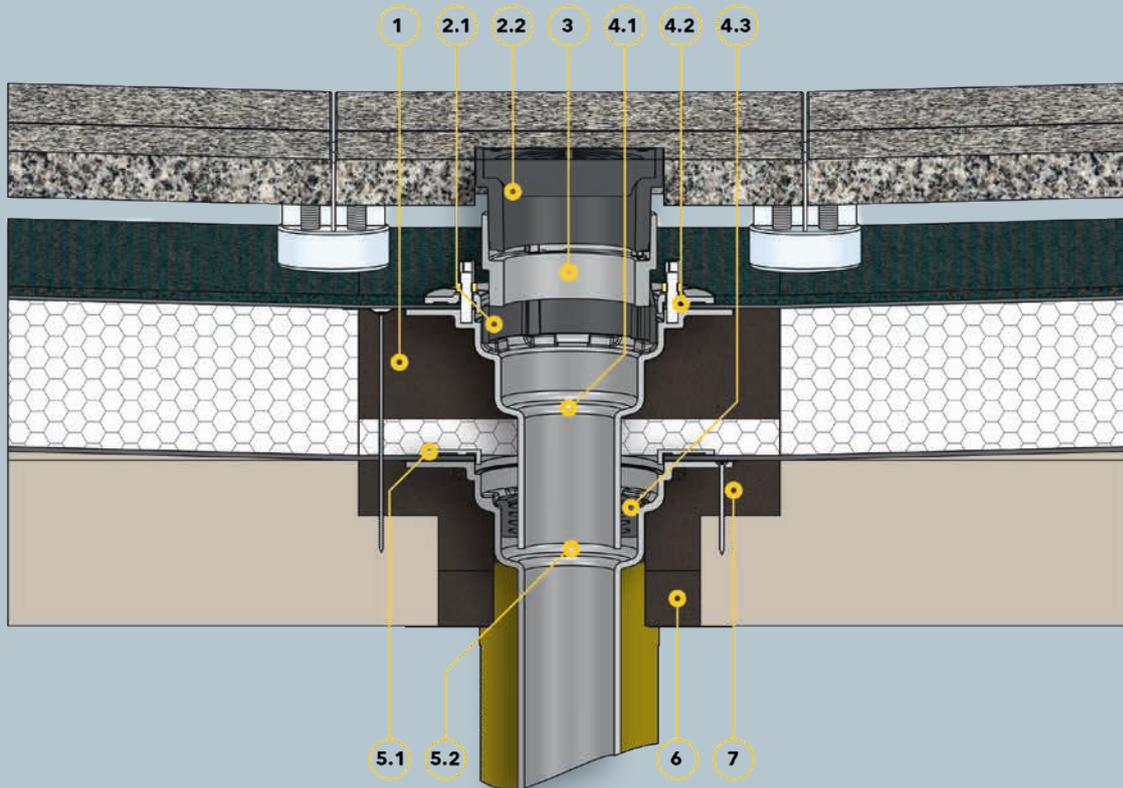
### Components

- 1 SitaMore reinforcement plate
- 2 SitaMulti insulating body for extension unit
- SitaMulti extension unit, consisting of:**
- 3.1 Screw-on flange, nuts and sealing sleeves
- 3.2 Sealing ring
- 3.3 SitaMulti extension unit base body
- SitaMulti, consisting of:**
- 4.1 SitaMulti base body
- 4.2 Dome grate
- 4.3 Screw-on flange, nuts and sealing sleeves
- 5 SitaMulti insulating body outlet
- 6 SitaMulti compensating ring

### Roof structure

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

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



### Components

- 1 SitaMulti insulating body for extension unit
- SitaMulti grating frame, consisting of:**
- 2.1 Support ring
- 2.2 Grating frame with bolted grate
- 3 SitaMulti height compensation piece
- SitaMulti extension unit, consisting of:**
- 4.1 SitaMulti extension unit base body
- 4.2 Screw-on flange, nuts and sealing sleeves
- 4.3 Sealing ring
- SitaMulti, consisting of:**
- 5.1 Screw-on flange, nuts and sealing sleeves
- 5.2 SitaMulti base body
- 6 SitaMulti compensating ring
- 7 SitaMulti insulating body

### Roof structure

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

- + Slab paving
- + Support pad
- + Protective mat
- + Waterproofing
- + Thermal insulation
- + Gradient line
- + Vapour barrier
- + Substructure