SitaMulti
Versatile. Uniquely resistant.

- Non-flammable
- High discharge volume
- Size up to DN 150
SitaMulti
Product features at a glance

Product features

Areas of use
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

Material
Cast iron

Material
EN-GJL-200

Connection type
Loose-fixed flange construction

Design
Vertical

Colour
Grey

Finish
Smooth

Temperature resistance min.
-20 °C

Building material class
A1 non-flammable

General properties
Surface free of sharp edges

Properties
+ 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

Workmanship
The general rules of engineering as well as the installation examples and installation instructions of Sita Bauelemente GmbH form the basis. The installation examples are for illustration purposes only and are a general, non-binding recommendation. The design is shown in schematic form only and does not replace the necessary work, detail and installation planning by the contractor. The customer, planner, contractor, etc. is responsible for checking the suitability, completeness and dimensions for the project and adjusting or tailoring the components to suit local requirements. Neighbouring works are shown in schematic form with no guarantee of their being complete or correct. The technical specifications in the information sheets, workmanship guidelines and system permits must be adhered to.

Quality marks
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.

Nominal diameters, dimensions, core drill holes and article numbers

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

*OD = Outer diameter (mm)

Drainage capacities in l/s to DIN EN 1253

<table>
<thead>
<tr>
<th>DN</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
<th>30</th>
<th>35</th>
<th>40</th>
<th>45</th>
<th>50</th>
<th>55</th>
<th>60</th>
<th>65</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>0.5</td>
<td>1.4</td>
<td>2.2</td>
<td>3.3</td>
<td>4.4</td>
<td>5.6</td>
<td>6.7</td>
<td>8.0</td>
<td>9.3</td>
<td>10.7</td>
<td>12.0</td>
<td>13.4</td>
<td>14.7</td>
</tr>
<tr>
<td>100</td>
<td>0.8</td>
<td>1.8</td>
<td>2.7</td>
<td>4.1</td>
<td>5.4</td>
<td>6.6</td>
<td>7.7</td>
<td>8.9</td>
<td>10.1</td>
<td>11.3</td>
<td>12.5</td>
<td>13.9</td>
<td>15.2</td>
</tr>
<tr>
<td>125</td>
<td>0.5</td>
<td>1.4</td>
<td>2.2</td>
<td>3.3</td>
<td>4.4</td>
<td>5.6</td>
<td>6.8</td>
<td>7.9</td>
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<tr>
<td>150</td>
<td>0.5</td>
<td>1.1</td>
<td>1.7</td>
<td>2.8</td>
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<td>8.7</td>
<td>10.2</td>
<td>11.6</td>
<td>13.1</td>
<td>14.6</td>
</tr>
</tbody>
</table>
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.

Bridging size of thermal insulation and article number

<table>
<thead>
<tr>
<th>Bridging size of thermal insulation from-to (mm)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-300</td>
<td>40 27 99</td>
</tr>
</tbody>
</table>
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.

Height and article number

<table>
<thead>
<tr>
<th>Height from-to (mm)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-130</td>
<td>11 90 60</td>
</tr>
</tbody>
</table>

Technical drawing
SitaMulti height adjustment unit

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.

Number, height and article number

<table>
<thead>
<tr>
<th>Number</th>
<th>Height from-to (mm)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>140-220</td>
<td>E11 90 66</td>
</tr>
<tr>
<td>2</td>
<td>200-310</td>
<td></td>
</tr>
</tbody>
</table>
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 cm², 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.

Retaining height and article number

<table>
<thead>
<tr>
<th>Retaining element for series</th>
<th>Retaining height from-to (mm)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SitaStandard</td>
<td>25-105</td>
<td>10 90 01</td>
</tr>
<tr>
<td>SitaMulti</td>
<td>*35-105</td>
<td></td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>DN</th>
<th>5</th>
<th>10</th>
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<th>65</th>
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<tbody>
<tr>
<td>80</td>
<td>0.5</td>
<td>1.6</td>
<td>2.6</td>
<td>4.0</td>
<td>5.4</td>
<td>7.1</td>
<td>8.7</td>
<td>10.6</td>
<td>12.5</td>
<td>14.7</td>
<td>16.8</td>
<td>17.6</td>
<td>18.4</td>
</tr>
<tr>
<td>100</td>
<td>0.9</td>
<td>2.2</td>
<td>3.4</td>
<td>4.9</td>
<td>6.4</td>
<td>8.1</td>
<td>9.8</td>
<td>12.1</td>
<td>14.3</td>
<td>16.9</td>
<td>19.4</td>
<td>23.3</td>
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<td>8.3</td>
<td>10.2</td>
<td>12.4</td>
<td>14.5</td>
<td>17.1</td>
<td>19.7</td>
<td>25.9</td>
<td>32.1</td>
</tr>
<tr>
<td>150</td>
<td>0.6</td>
<td>1.9</td>
<td>3.2</td>
<td>4.6</td>
<td>5.9</td>
<td>7.7</td>
<td>9.5</td>
<td>11.6</td>
<td>13.7</td>
<td>16.5</td>
<td>19.3</td>
<td>26.4</td>
<td>33.4</td>
</tr>
</tbody>
</table>
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.

Height and article number

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>E40 90 03</td>
</tr>
</tbody>
</table>
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.

Height and article number

<table>
<thead>
<tr>
<th>a (mm)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>E40 90 04</td>
</tr>
<tr>
<td>60</td>
<td>E40 90 05</td>
</tr>
</tbody>
</table>
SitaMulti insulating body for extension unit

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.

Height and article number

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>E40 90 06</td>
</tr>
</tbody>
</table>

Technical drawing
**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.

**Model and article number**

<table>
<thead>
<tr>
<th>For model</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SitaStandard</td>
<td>SitaTrendy</td>
</tr>
</tbody>
</table>
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.

Power supply and article number

<table>
<thead>
<tr>
<th>Power supply</th>
<th>Heat rating at -20°C</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>230 V</td>
<td>approx. 10 W</td>
<td>10 90 35</td>
</tr>
</tbody>
</table>

Tender text
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

<table>
<thead>
<tr>
<th>For model</th>
<th>Article number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SitaMulti</td>
<td>E40 90 10</td>
</tr>
</tbody>
</table>
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
2.1  SitaMulti grating frame, consisting of:
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