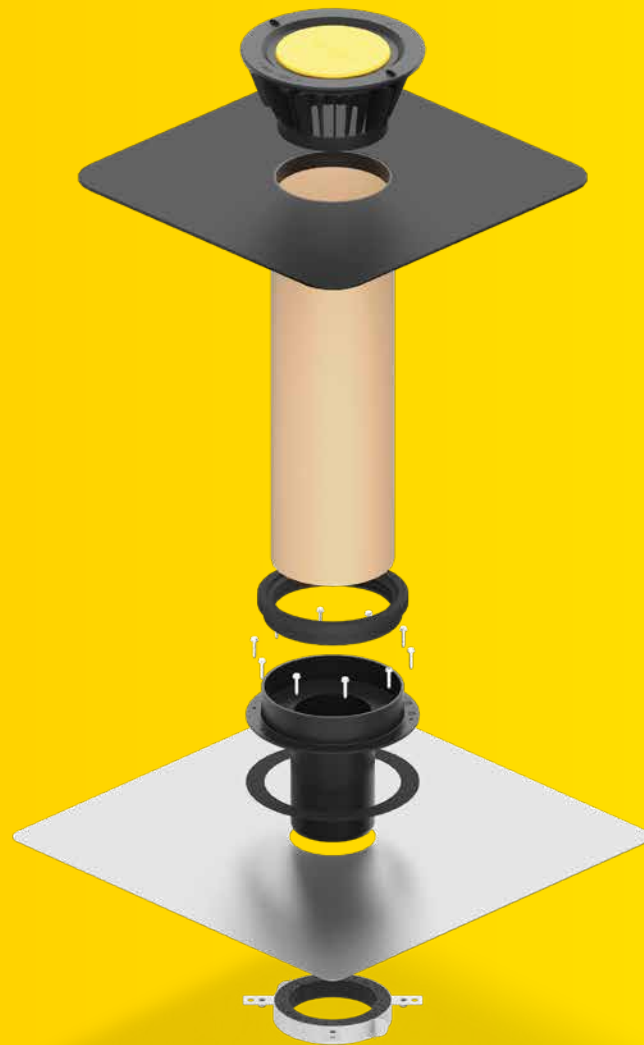


SitaFireguard®

Versatile and light. Fire protection in the set.



SitaFireguard®

- + For preventive fire safety to DIN 18234
- + A complete set allowing easy and safe installation
- + Small roof penetrations thanks to optimised shape of the PE base body
- + Optimised backflow safety thanks to perfectly seated seal
- + with integrated selected connection sleeve or screw-on flange construction
- + For main and emergency drainage



SitaFireguard®
with dome grate



SitaFireguard®
with retaining element



SitaFireguard®
screw-on flange
with dome grate



SitaFireguard®
screw-on flange
with retaining element



SitaFireguard®
insulating body
mineral wool

SitaFireguard®

Product features at a glance:

Product features

Applications	For main and emergency drainage to DIN 12056-3 and DIN 1986-100 for conventional drainage and for preventive fire protection for flat roofs with requirements according to DIN 18234
Material	Sheet steel. polyethylene. polyurethane
Temperature resistance. min.	-20 °C
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.

Quality mark



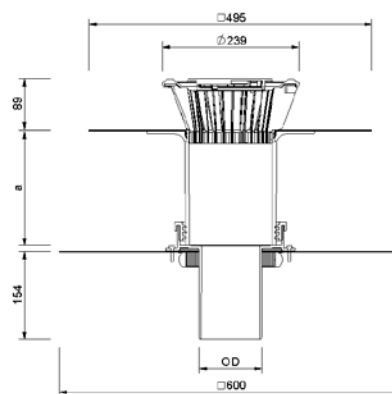
SitaFireguard® with dome grate



Tender text

SitaFireguard® with dome grate for preventive fire protection and to prevent the spread of fire from below where there are small penetrations according to DIN 18234 Part 3 and 4. in two parts. consisting of: PE base body with collar for fixing to the reinforcement plate and for clamping the vapour barrier. to DIN EN 1253-2. Including extension unit for insulating material thicknesses from 65 mm to 210 mm or 105 mm to 570 mm made of PUR with large connection sleeve of choice and dome grate. For direct connection to pipes with plug-in coupler. for conventional drainage. with a sealing sleeve and a reinforcement plate to DIN EN 1090-4. with pre-assembled fire protection sleeve. supply complete and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Recess dimension (mm x mm)	a (mm)	Thickness of insulation material (mm)	Article number
70	75	185	150 x 150	200	65 - 210	F 30 27 xx
				550	105 - 570	F 30 28 xx
100	110	235	190 x 190	200	65 - 210	F 30 31 xx
				550	105 - 570	F 30 32 xx
125	125	255	200 x 200	200	65 - 210	F 30 35 xx
				550	105 - 570	F 30 36 xx
150	160	300	300 x 300	200	65 - 210	F 30 39 xx
				550	105 - 570	F 30 40 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

Discharge rate according to DIN EN 1253

DN	Retaining height in mm																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
70	0.5	1.0	1.8	2.7	3.3	4.3	5.0	5.7	6.7	7.4	8.3	9.1	9.6	10.4	11.0	11.6	12.6	13.4	14.8	16.0
100	0.7	1.3	2.3	3.0	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	14.0	16.6	18.0	20.0	23.0
125	0.5	1.2	2.0	2.9	3.6	4.7	5.5	6.3	7.3	8.3	9.2	10.0	11.0	12.0	13.2	14.9	16.6	18.0	21.0	24.9
150	0.5	1.0	1.5	2.5	3.1	4.4	5.2	6.8	8.1	9.3	11.0	12.9	14.9	16.5	17.7	18.4	19.5	20.0	21.1	22.0

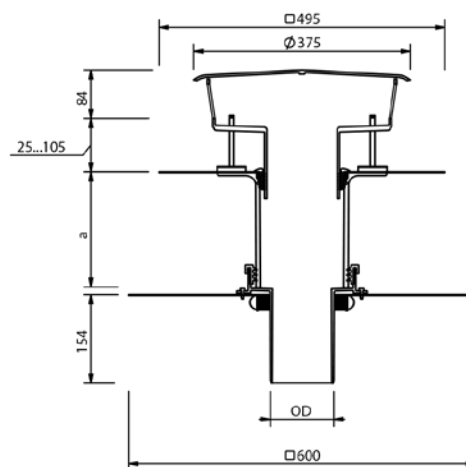
SitaFireguard® with retaining element



Tender text

SitaFireguard® with retaining element for preventive fire protection and to prevent the spread of fire from below where there are small penetrations according to DIN 18234 Part 3 and 4, in two parts, consisting of: PE base body with collar for fixing to the reinforcement plate and for clamping the vapour barrier, to DIN EN 1253-2. Including extension unit for insulating material thicknesses from 65 mm to 210 mm or 105 mm to 570 mm made of PUR with large connection sleeve of choice and signal yellow retaining element. For direct connection to pipes with plug-in coupler, for conventional drainage, with a sealing sleeve and a reinforcement plate to DIN EN 1090-4, with pre-assembled fire protection sleeve, supply complete and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Recess dimension (mm x mm)	a (mm)	Thickness of insulation material (mm)	Article number
70	75	185	150 x 150	200	65 - 210	F 30 29 xx
				550	105 - 570	F 30 30 xx
100	110	235	190 x 190	200	65 - 210	F 30 33 xx
				550	105 - 570	F 30 34 xx
125	125	255	200 x 200	200	65 - 210	F 30 37 xx
				550	105 - 570	F 30 38 xx
150	160	300	300 x 300	200	65 - 210	F 30 41 xx
				550	105 - 570	F 30 42 xx

* OD = Outer diameter (mm)

xx = Article end numbers for connection sleeve of choice

Discharge rate according to DIN EN 1253

DN	Retaining height in mm																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
70	0.9	2.3	3.4	4.8	6.0	7.2	8.7	10.3	11.6	12.4	12.9	13.5	14.0	16.2	16.5	16.5	16.5	16.5	16.5	16.5
100	1.0	2.2	3.3	4.5	5.7	7.1	8.6	10.0	11.5	13.4	15.4	17.4	20.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
125	1.0	2.2	3.3	4.6	6.0	7.4	8.9	0.5	12.0	13.5	15.4	18.0	22.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
150	0.8	1.5	2.0	4.6	6.0	7.4	8.7	10.0	11.4	13.1	15.0	16.6	18.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0

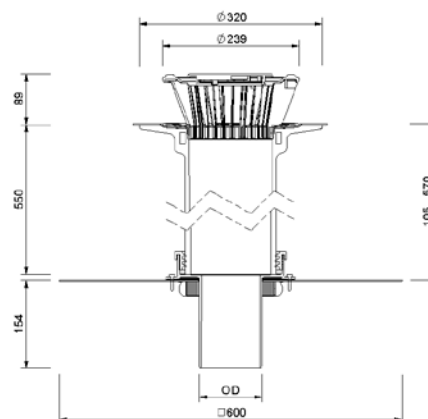
SitaFireguard® screw-on flange with dome grate



Tender text

SitaFireguard® screw-on flange with dome grate for preventive fire protection and to prevent the spread of fire from below where there are small penetrations according to DIN 18234 Part 3 and 4, in two parts, consisting of: PE base body with collar for fixing to the reinforcement plate and for clamping the vapour barrier, to DIN EN 1253-2. Including extension unit for insulating material thicknesses from 105 mm to 570 mm made of PUR with screw-on flange construction and dome grate. For direct connection to pipes with plug-in coupler, for conventional drainage, with a sealing sleeve and a reinforcement plate to DIN EN 1090-4, with pre-assembled fire protection sleeve, supply complete and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Recess dimension (mm x mm)	Thickness of insulation material (mm)	Article number
70	75	185	150 x 150	105 - 570	F 30 28 99
100	110	235	190 x 190		F 30 32 99
125	125	255	200 x 200		F 30 36 99
150	160	300	300 x 300		F 30 40 99

* OD = Outer diameter (mm)

Discharge rate according to DIN EN 1253

DN	Retaining height in mm																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
70	0.5	1.0	1.8	2.7	3.3	4.3	5.0	5.7	6.7	7.4	8.3	9.1	9.6	10.4	11.0	11.6	12.6	13.4	14.8	16.0
100	0.7	1.3	2.3	3.0	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	14.0	16.6	18.0	20.0	23.0
125	0.5	1.2	2.0	2.9	3.6	4.7	5.5	6.3	7.3	8.3	9.2	10.0	11.0	12.0	13.2	14.9	16.6	18.0	21.0	24.9
150	0.5	1.0	1.5	2.5	3.1	4.4	5.2	6.8	8.1	9.3	11.0	12.9	14.9	16.5	17.7	18.4	19.5	20.0	21.1	22.0

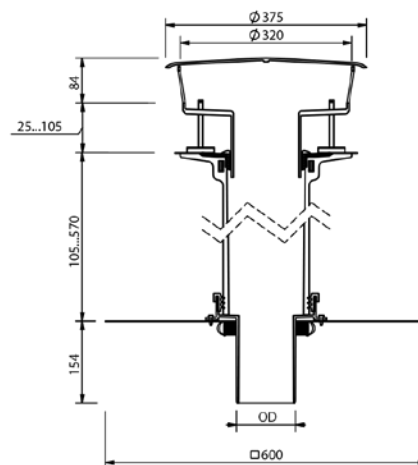
SitaFireguard® screw-on flange with retaining element



Tender text

SitaFireguard® screw-on flange with retaining element for preventive fire protection and to prevent the spread of fire from below where there are small penetrations according to DIN 18234 Part 3 and 4, consisting of: PE base body with collar for fixing to the reinforcement plate and for clamping the vapour barrier, to DIN EN 1253-2. Including extension unit for insulating material thicknesses from 105 mm to 570 mm made of PUR with screw-on flange construction and signal yellow retaining element. For direct connection to pipes with plug-in coupler, for conventional drainage, with a sealing sleeve and a reinforcement plate to DIN EN 1090-4, with pre-assembled fire protection sleeve, supply complete and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Recess dimension (mm x mm)	Thickness of insulation material (mm)	Article number
70	75	185	150 x 150	105 - 570	F 30 30 99
100	110	235	190 x 190		F 30 34 99
125	125	250	200 x 200		F 30 38 99
150	160	300	300 x 300		F 30 42 99

* OD = Outer diameter (mm)

Discharge rate according to DIN EN 1253

DN	Retaining height in mm																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
70	0.9	2.3	3.4	4.8	6.0	7.2	8.7	10.3	11.6	12.4	12.9	13.5	14.0	16.2	16.5	16.5	16.5	16.5	16.5	16.5
100	1.0	2.2	3.3	4.5	5.7	7.1	8.6	10.0	11.5	13.4	15.4	17.4	20.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
125	1.0	2.2	3.3	4.6	6.0	7.4	8.9	0.5	12.0	13.5	15.4	18.0	22.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
150	0.8	1.5	2.0	4.6	6.0	7.4	8.7	10.0	11.4	13.1	15.0	16.6	18.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0

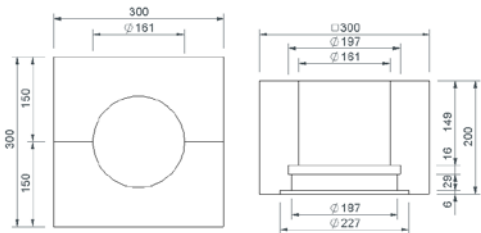
SitaFireguard® insulating body mineral wool



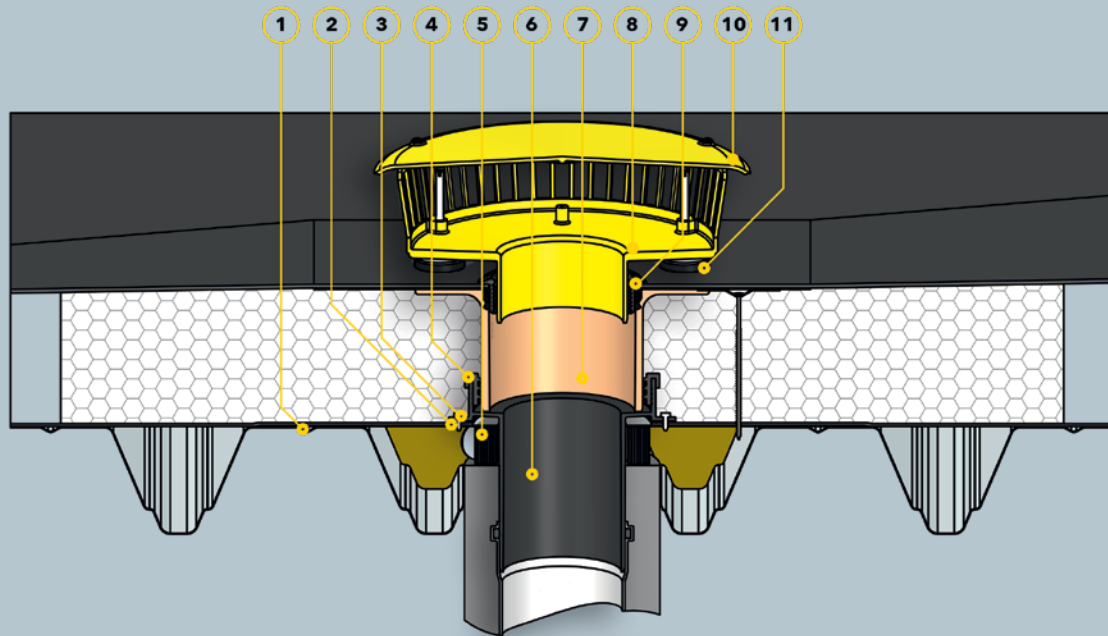
Tender text

SitaFireguard® insulating body. made of mineral fibres. WLG 040. height 200 mm. material class A1 (not flammable). application type DAA dm according to DIN 4108-10. compressive stress ≥ 70 kPa. For thermal insulation and for use as an installation aid for positioning the extension unit for the SitaFireguard®. SitaDSS Fireguard® and the PE pipe for the SitaVent Fireguard®. supply and install to professional standards.

Technical drawing



Compatibility	Article number
SitaFireguard®. SitaDSS Fireguard®, SitaVent Fireguard®	E 10 96 13



Components

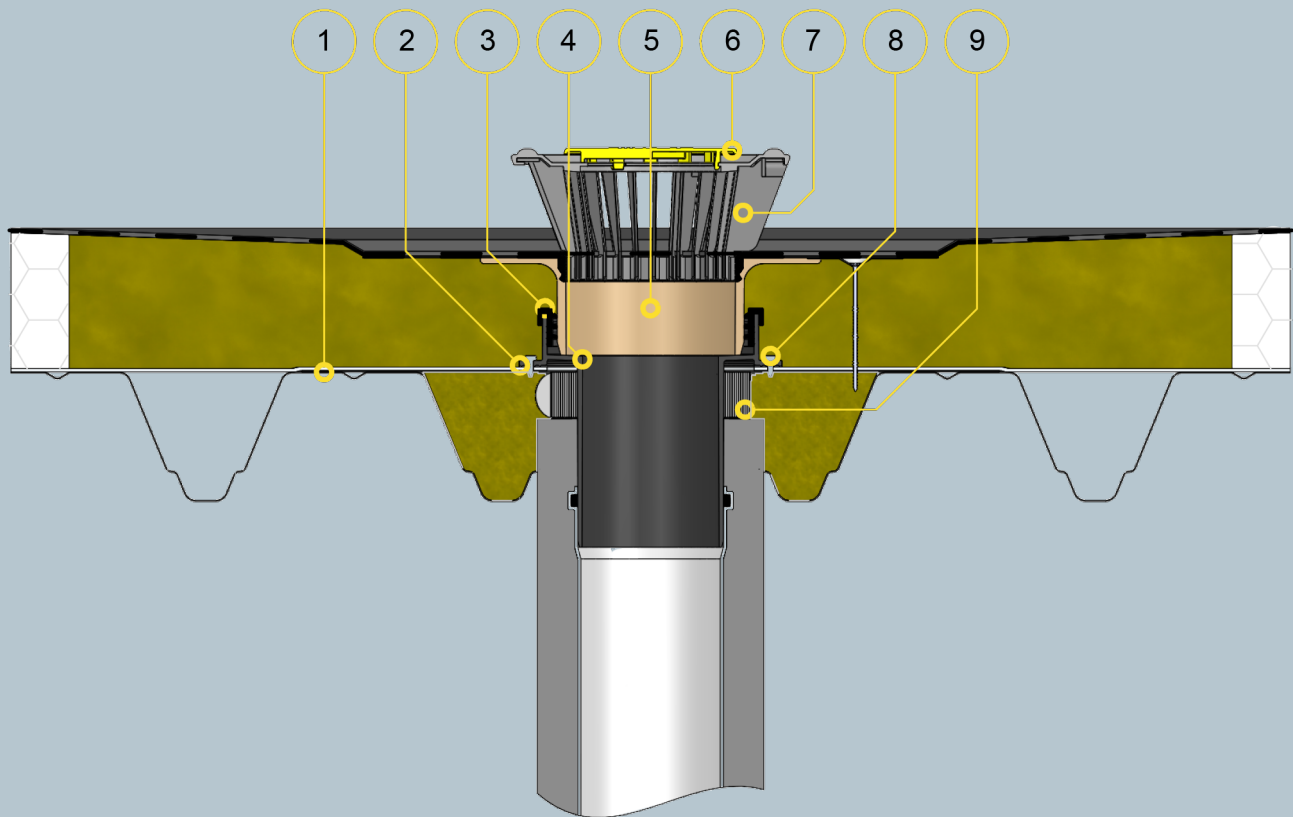
SitaFireguard® emergency drainage consisting of:

- 1 Reinforcement plate
- 2 Sealing sleeve
- 3 Self-tapping screw
- 4 Seal
- 5 Fire protection sleeve
- 6 PE base body
- 7 Extension unit
- 8 Retaining element base body
- 9 Retaining element sealing ring
- 10 Retaining element cover
- 11 Height-adjustable rubber-metal buffers

Roof structure

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

- + Sealing
- + Thermal insulation non-flammable, min. 1.0 m x 1.0 m
- + Vapour barrier
- + Non-flammable section fillers
- + Steel trapezoidal section



Components

SitaFireguard® consisting of:

- 1 Reinforcement plate
- 2 Sealing sleeve
- 3 Seal
- 4 PE base body
- 5 Extension unit
- 6 Dome grate base body
- 7 Dome grate cover
- 8 Self-tapping screw
- 9 Fire protection sleeve

Roof structure

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

- + Sealing
- + Thermal insulation non-flammable, min. 1.0 m x 1.0 m
- + Vapour barrier
- + Non-flammable section fillers
- + Steel trapezoidal section