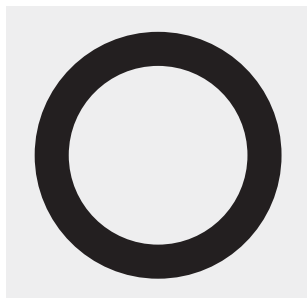


PRODUCT DATA SHEET

## SIMONA Peak Black Pipe (PE100)



Specification overview

- BS EN 12201-2
- DWI Reg 31 (4)(A)
- WRAS / UK Reg 4
- PE100 - Black

For transporting non-potable water & potable water in and above ground, industrial and general/waste applications.

OD	SDR	Pressure rating	Material
50 - 450mm	7.4	25 bar	PE100
20 - 630mm	9	20 bar	PE100
20 - 630mm	11	16 bar	PE100
25 - 630mm	13.6	12.5 bar	PE100
40 - 630mm	17	10 bar	PE100
50 - 630mm	21	8 bar	PE100
50 - 630mm	26	6 bar	PE100
315 - 630mm	33	5 bar	PE100
315 - 630mm	41	4 bar	PE100

### Lengths

Pipes ≤ 180mm in diameter will be supplied in coil lengths of 25, 50, 100, 150m or lengths of 6 or 12m  
 Pipes ≥ 200mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m.  
 Bespoke lengths can be produced on request

### Markings

All products will be marked on one side with characters at least 3mm high in a contrasting colour to the pipe material <75mm in diameter

All products will be marked on one side with characters at least 5mm high in a contrasting colour to the pipe material >90mm in diameter

The following identification and traceability marks are printed once every metre:

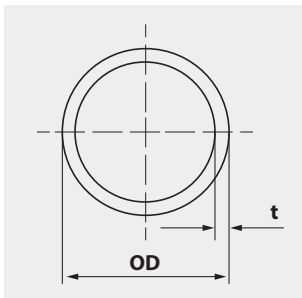
- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE100
- Standard number: BS EN 12201-2
- SDR value: SDR11 (example)
- Outside diameter: 250mm (example)
- Manufacturing code: (Contains date)
- Application: Water
- Pressure rating: 16 bar (example)

PRODUCT DATA SHEET

## SIMONA Peak Black Pipe (PE100)

Suitable jointing methods

- Butt fusion
- Electrofusion Fittings
- Mechanical Fittings
- Compression Fittings
- Note: Maximum system pressure is only rated to the lowest performing component



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
50	50.4	7.4	6.9	7.7	0.9	35.6
63	63.4	7.4	8.6	9.6	1.5	45
75	75.5	7.4	10.3	11.5	2.1	53.5
90	90.6	7.4	12.3	13.7	3.0	64.3
110	110.7	7.4	15.1	16.8	4.5	78.4
125	125.8	7.4	17.1	19	5.8	89.2
140	140.9	7.4	19.2	21.3	7.3	99.9
160	161	7.4	21.9	24.2	9.5	114.3
180	181.1	7.4	24.6	27.2	12.1	128.8
200	201.2	7.4	27.4	30.3	14.9	142.8
225	226.4	7.4	30.8	34	18.9	160.9
250	251.5	7.4	34.2	37.8	23.3	178.8
280	281.7	7.4	38.3	42.3	29.2	200.3
315	316.9	7.4	43.1	47.6	37.0	225.2
355	357.2	7.4	48.5	53.5	46.9	254.1
400	402.4	7.4	54.7	60.3	59.5	286.2
450	452.7	7.4	61.5	67.8	75.3	322

PRODUCT DATA SHEET

## SIMONA Peak Black Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
20	20.3	9	2.3	2.7	0.1	15.2
25	25.3	9	3	3.4	0.2	18.8
32	32.3	9	3.6	4.1	0.3	24.4
40	40.4	9	4.5	5.1	0.5	30.6
50	50.4	9	5.6	6.3	0.8	38.2
63	63.4	9	7.1	8	1.3	48
75	75.5	9	8.4	9.4	1.8	57.5
90	90.6	9	10.1	11.3	2.6	68.9
110	110.7	9	12.3	13.7	3.8	84.4
125	125.8	9	14	15.6	4.9	95.8
140	140.9	9	15.7	17.4	6.2	107.3
160	161	9	17.9	19.8	8	122.7
180	181.1	9	20.1	22.3	10.2	138.2
200	201.2	9	22.4	24.8	12.6	153.4
225	226.4	9	25.2	27.9	15.9	172.5
250	251.5	9	27.9	30.8	19.6	192
280	281.7	9	31.3	34.6	24.6	214.9
315	316.9	9	35.2	38.9	31.1	241.8
355	357.2	9	39.7	43.8	39.5	272.5
400	402.4	9	44.7	49.3	50.2	307.2
450	452.7	9	50.3	55.5	63.5	345.6
500	503	9	55.8	61.5	78.3	384.1
560	563.4	9	62.5	68.9	98.2	430.3
630	633.8	9	70.3	77.5	124.3	484.1
20	20.3	11	2	2.3	0.1	15.8
25	25.3	11	2.3	2.7	0.2	20.2
32	32.3	11	3	3.4	0.3	25.8

PRODUCT DATA SHEET

## SIMONA Peak Black Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
40	40.4	11	3.7	4.2	0.4	32.2
50	50.4	11	4.6	5.2	0.7	40.4
63	63.4	11	5.8	6.5	1.1	50.8
75	75.5	11	6.8	7.6	1.5	60.9
90	90.6	11	8.2	9.2	2.1	72.9
110	110.7	11	10	11.1	3.2	89.2
125	125.8	11	11.4	12.7	4.1	101.2
140	140.9	11	12.7	14.1	5.1	113.7
160	161	11	14.6	16.2	6.7	129.7
180	181.1	11	16.4	18.2	8.5	146
200	201.2	11	18.2	20.2	10.5	162.2
225	226.4	11	20.5	22.7	13.3	182.5
250	251.5	11	22.7	25.1	16.3	203
280	281.7	11	25.4	28.1	20.5	227.3
315	316.9	11	28.6	31.6	25.9	255.8
355	357.2	11	32.2	35.6	32.9	288.3
400	402.4	11	36.3	40.1	41.8	324.8
450	452.7	11	40.9	45.1	52.9	365.4
500	503	11	45.4	50.1	65.3	405.9
560	563.4	11	50.8	56	81.8	454.9
630	633.8	11	57.2	63.1	103.6	511.5
25	25.3	13.6	2	2.3	0.1	20.8
32	32.3	13.6	2.4	2.8	0.2	27
40	40.4	13.6	3	3.5	0.4	33.6
50	50.4	13.6	3.7	4.2	0.6	42.2
63	63.4	13.6	4.7	5.3	0.9	53.2
75	75.5	13.6	5.6	6.3	1.2	63.3

PRODUCT DATA SHEET

## SIMONA Peak Black Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
90	90.6	13.6	6.7	7.5	1.8	76.1
110	110.7	13.6	8.1	9.1	2.6	93.2
125	125.8	13.6	9.2	10.3	3.4	105.8
140	140.9	13.6	10.3	11.5	4.3	118.7
160	161	13.6	11.8	13.1	5.6	135.5
180	181.1	13.6	13.3	14.8	7	152.4
200	201.2	13.6	14.7	16.3	8.6	169.6
225	226.4	13.6	16.6	18.4	11	190.7
250	251.5	13.6	18.4	20.4	13.5	212
280	281.7	13.6	20.6	22.8	16.9	237.5
315	316.9	13.6	23.2	25.7	21.5	267
355	357.2	13.6	26.1	28.9	27.2	301.1
400	402.4	13.6	29.4	32.5	34.5	339.2
450	452.7	13.6	33.1	36.6	43.7	381.6
500	503	13.6	36.8	40.6	54	424.1
560	563.4	13.6	41.2	45.5	67.7	474.9
630	633.8	13.6	46.3	51.1	85.6	534.5
40	40.4	17	2.4	2.8	0.3	35
50	50.4	17	3	3.4	0.5	43.8
63	63.4	17	3.8	4.3	0.7	55
75	75.5	17	4.5	5.1	1	65.7
90	90.6	17	5.4	6.1	1.5	78.7
110	110.7	17	6.6	7.4	2.2	96.4
125	125.8	17	7.4	8.3	2.8	109.6
140	140.9	17	8.3	9.3	3.5	122.9
160	161	17	9.5	10.6	4.6	140.3

PRODUCT DATA SHEET

## SIMONA Peak Black Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
180	181.1	17	10.7	11.9	5.8	158
200	201.2	17	11.9	13.2	7.1	175.4
225	226.4	17	13.4	14.9	9	197.3
250	251.5	17	14.8	16.4	11.1	219.6
280	281.7	17	16.6	18.4	13.9	245.9
315	316.9	17	18.7	20.7	17.6	276.6
355	357.2	17	21.1	23.4	22.4	311.5
400	402.4	17	23.7	26.2	28.3	351.2
450	452.7	17	26.7	29.5	35.8	395.2
500	503	17	29.7	32.8	44.3	438.9
560	563.4	17	33.2	36.7	55.5	491.7
630	633.8	17	37.4	41.3	70.3	553.1
50	50.4	21	2.4	2.8	0.4	45
63	63.4	21	3	3.4	0.6	56.8
75	75.5	21	3.6	4.1	0.8	67.5
90	90.6	21	4.3	4.9	1.2	81.1
110	110.7	21	5.3	6	1.8	99
125	125.8	21	6	6.7	2.3	112.6
140	140.9	21	6.7	7.5	2.9	126.3
160	161	21	7.7	8.6	3.7	144.1
180	181.1	21	8.6	9.6	4.7	162.4
200	201.2	21	9.6	10.7	5.8	180.2
225	226.4	21	10.8	12	7.4	202.9
250	251.5	21	11.9	13.2	9	225.6
280	281.7	21	13.4	14.9	11.4	252.5
315	316.9	21	15	16.6	14.3	284.4

PRODUCT DATA SHEET

## SIMONA Peak Black Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
355	357.2	21	16.9	18.7	18.1	320.5
400	402.4	21	19.1	21.2	23.1	360.8
450	452.7	21	21.5	23.8	29.3	406
500	503	21	23.9	26.4	36.1	451.1
560	563.4	21	26.7	29.5	45.2	505.5
630	633.8	21	30	33.1	57.1	568.7
50	50.4	26	2	2.3	0.3	45.8
63	63.4	26	2.5	2.9	0.5	57.8
75	75.5	26	2.9	3.3	0.7	69.1
90	90.6	26	3.5	4	1	82.7
110	110.7	26	4.2	4.8	1.4	101.4
125	125.8	26	4.8	5.4	1.8	115.2
140	140.9	26	5.4	6.1	2.3	128.9
160	161	26	6.2	7	3.1	147.3
180	181.1	26	6.9	7.7	3.8	166
200	201.2	26	7.7	8.6	4.7	184.2
225	226.4	26	8.6	9.6	5.9	207.5
250	251.5	26	9.6	10.7	7.4	230.4
280	281.7	26	10.7	11.9	9.2	258.3
315	316.9	26	12.1	13.5	11.7	290.4
355	357.2	26	13.6	15.1	14.8	327.3
400	402.4	26	15.3	17	18.7	368.8
450	452.7	26	17.2	19.1	23.7	415
500	503	26	19.1	21.2	29.2	461.1
560	563.4	26	21.4	23.7	36.6	516.5
630	633.8	26	24.1	26.7	46.4	581.1

PRODUCT DATA SHEET

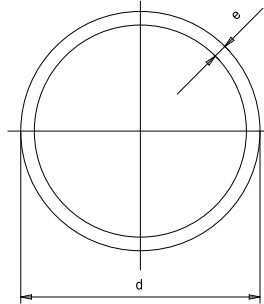
## SIMONA Peak Black Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
315	316.9	33	9.7	10.8	9.4	295.4
355	357.2	33	10.9	12.1	11.9	333.1
400	402.4	33	12.3	13.7	15.2	375.2
450	452.7	33	13.8	15.3	19.2	422.2
500	503	33	15.3	17	23.6	469.1
560	563.4	33	17.2	19.1	29.7	525.3
630	633.8	33	19.3	21.4	37.5	591.1
315	316.9	41	7.7	8.6	7.6	299.6
355	357.2	41	8.7	9.7	9.6	337.7
400	402.4	41	9.8	10.9	12.2	380.4
450	452.7	41	11	12.2	15.4	428.2
500	503	41	12.3	13.7	19.1	475.5
560	563.4	41	13.7	15.2	23.8	532.7
630	633.8	41	15.4	17.1	30.2	599.3



19.01.2023

## PE 100 Pressure pipes



### Product details:

- black
- Pipes in other SDR-series acc. to DIN 8074 on request, PE 100 RC type 1 acc. PAS 1075 on request, stress relieved by thermal treatment DIN 19535 on request
- DIN 8074, DIN EN ISO 15494, DIN EN 12201, standard length 6 m, also in 12 m length, other lengths on request

Product image for illustration purposes only.

SDR	d (mm)	e (mm)	PN (bar)	Length/m	Weight (kg/m)	Art. No.
11	710	64.5	16	6	131	010019101
11	800	72.7	16	6	167	010019098
11	900	81.8	16	6	211	010026059
11	1000	90.9	16	6	261	010026898
17	710	42.1	10	6	89	010001096
17	800	47.4	10	6	113	010001097
17	900	53.3	10	6	143	010001098
17	1000	59.3	10	6	176	010001099
17	1100	64.7	10	6	212	010010983
17	1200	71.1	10	6	254	010010984
26	710	27.2	6.3	6	59	010002833
26	800	30.6	6.3	6	74.7	010002834
26	900	34.4	6.3	6	94.4	010002835
26	1000	38.2	6.3	6	117	010002836
26	1100	42.3	6.3	6	142	010010981
26	1200	45.9	6.3	6	168	010010982
33	710	21.8	5	6	47.7	010002808
33	800	24.5	5	6	60.4	010002809
33	900	27.6	5	6	76.4	010002810
33	1000	30.6	5	6	94.1	010002811
33	1100	33.3	5	6	113	010010979
33	1200	36.7	5	6	135	010010980
41	710	17.4	4	6	38.4	010002785
41	800	19.6	4	6	48.7	010002786
41	900	22.0	4	6	61.3	010002787
41	1000	24.5	4	6	75.9	010002788

All information provided in respect of technical data shall be considered non-binding. This information does not constitute a guarantee of specific properties or qualities and shall not be construed as a warranty in regard to product condition, durability or service life. Subject to modifications and errors. Our standard terms and conditions apply. For further information, please contact our applications engineering team: [pipingsystems@simona.de](mailto:pipingsystems@simona.de).

PRODUCT DATA SHEET

## SIMONA Peak Blue Service Pipe (PE80)



Specification overview

- BS EN 12201-2
- DWI Reg 31 (4)(A)
- WRAS / UK Reg 4
- PE80 - Blue

For transporting potable water in below ground clean water applications

OD	SDR	Pressure rating	Material
20mm	9	12.5 bar	PE80
25 - 63mm	11	12.5 bar	PE80

### Lengths

Pipes < 180mm in diameter will be supplied in coil lengths of 25, 50, 100, 150m or lengths of 6 or 12m  
 Bespoke lengths can be produced on request.

### Markings

All products will be marked on one side with characters at least 3mm high in a contrasting colour to the pipe material <75mm in diameter.

The following identification and traceability marks are printed once every metre:

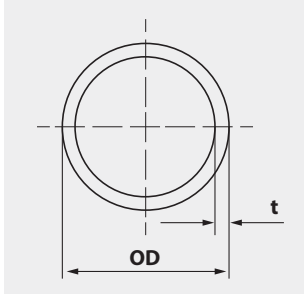
- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE80
- Standard number: BS EN 12201-2
- SDR value: SDR11 (example)
- Outside diameter: 63mm (example)
- Manufacturing code: (Contains date)
- Application: Water
- Pressure rating: 12.5 bar (example)

### Suitable jointing methods

- Electrofusion Fittings
- Mechanical Fittings
- Compression Fittings
- Note: Maximum system pressure is only rated to the lowest performing component

PRODUCT DATA SHEET

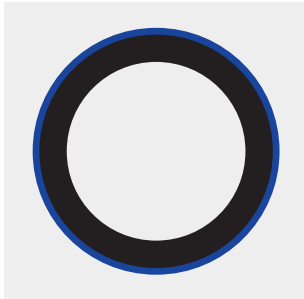
## SIMONA Peak Blue Service Pipe (PE80)



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
20	20.3	9	2.3	2.7	0.1	15.2
25	25.3	11	2.3	2.7	0.1	20.2
32	32.3	11	3	3.4	0.3	25.8
50	50.4	11	4.6	5.2	0.7	40.4
63	63.4	11	5.8	6.5	1	50.8

PRODUCT DATA SHEET

## SIMONA Peak Blue Pipe (PE100)



Specification overview

- BS EN 12201-2
- DWI Reg 31 (4)(A)
- WRAS / UK Reg 4
- PE100 - Blue skin/black core

For potable water supply below ground applications.

OD	SDR	Pressure rating	Material
90 - 630mm	9	20 bar	PE100
90 - 630mm	11	16 bar	PE100
90 - 630mm	17	10 bar	PE100
90 - 630mm	21	8 bar	PE100

### Lengths

Pipes ≤ 180mm in diameter will be supplied in coil lengths of 25, 50, 100, 150m or lengths of 6 or 12m

Pipes ≥ 200mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m.

Bespoke lengths can be produced on request

### Markings

All products will be marked on one side with characters at least 3mm high in a contrasting colour to the pipe material <75mm in diameter.

All products will be marked on one side with characters at least 5mm high in a contrasting colour to the pipe material >90mm in diameter.

The following identification and traceability marks are printed once every metre:

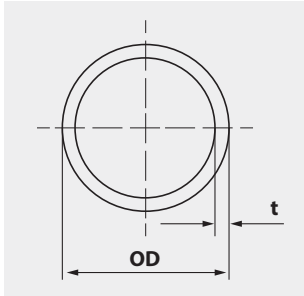
- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE100
- Standard number: BS EN 12201-2
- SDR value: SDR11 (example)
- Outside diameter: 250mm (example)
- Manufacturing code: (Contains date)
- Application: Water
- Pressure rating: 16 bar (example)

### Suitable jointing methods

- Butt fusion
- Electrofusion Fittings
- Mechanical Fittings
- Compression Fittings
- Note: Maximum system pressure is only rated to the lowest performing component

PRODUCT DATA SHEET

**SIMONA Peak Blue Pipe (PE100)**



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
20	20.3	9	2.3	2.7	0.1	15.2
25	25.3	9	3	3.4	0.2	18.8
32	32.3	9	3.6	4.1	0.3	24.4
40	40.4	9	4.5	5.1	0.5	30.6
50	50.4	9	5.6	6.3	0.8	38.2
63	63.4	9	7.1	8	1.3	48
75	75.5	9	8.4	9.4	1.8	57.5
90	90.6	9	10.1	11.3	2.6	68.9
110	110.7	9	12.3	13.7	3.8	84.4
125	125.8	9	14	15.6	4.9	95.8
140	140.9	9	15.7	17.4	6.2	107.3
160	161	9	17.9	19.8	8	122.7
180	181.1	9	20.1	22.3	10.2	138.2
200	201.2	9	22.4	24.8	12.6	153.4
225	226.4	9	25.2	27.9	15.9	172.5
250	251.5	9	27.9	30.8	19.6	192
280	281.7	9	31.3	34.6	24.6	214.9
315	316.9	9	35.2	38.9	31.1	241.8
355	357.2	9	39.7	43.8	39.5	272.5
400	402.4	9	44.7	49.3	50.2	307.2
450	452.7	9	50.3	55.5	63.5	345.6

PRODUCT DATA SHEET

## SIMONA Peak Blue Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
500	503	9	55.8	61.5	78.3	384.1
560	563.4	9	62.5	68.9	98.2	430.3
630	633.8	9	70.3	77.5	124.3	484.1
90	90.6	11	8.2	9.2	2.1	72.9
110	110.7	11	10	11.1	3.2	89.2
125	125.8	11	11.4	12.7	4.1	101.2
140	140.9	11	12.7	14.1	5.1	113.7
160	161	11	14.6	16.2	6.7	129.7
180	181.1	11	16.4	18.2	8.5	146
200	201.2	11	18.2	20.2	10.5	162.2
225	226.4	11	20.5	22.7	13.3	182.5
250	251.5	11	22.7	25.1	16.3	203
280	281.7	11	25.4	28.1	20.5	227.3
315	316.9	11	28.6	31.6	25.9	255.8
355	357.2	11	32.2	35.6	32.9	288.3
400	402.4	11	36.3	40.1	41.8	324.8
450	452.7	11	40.9	45.1	52.9	365.4
500	503	11	45.4	50.1	65.3	405.9
560	563.4	11	50.8	56	81.8	454.9
630	633.8	11	57.2	63.1	103.6	511.5
90	90.6	17	5.4	6.1	1.5	78.7
110	110.7	17	6.6	7.4	2.2	96.4
125	125.8	17	7.4	8.3	2.8	109.6
140	140.9	17	8.3	9.3	3.5	122.9
160	161	17	9.5	10.6	4.6	140.3
180	181.1	17	10.7	11.9	5.8	158
200	201.2	17	11.9	13.2	7.1	175.4

PRODUCT DATA SHEET

## SIMONA Peak Blue Pipe (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
225	226.4	17	13.4	14.9	9	197.3
250	251.5	17	14.8	16.4	11.1	219.6
280	281.7	17	16.6	18.4	13.9	245.9
315	316.9	17	18.7	20.7	17.6	276.6
355	357.2	17	21.1	23.4	22.4	311.5
400	402.4	17	23.7	26.2	28.3	351.2
450	452.7	17	26.7	29.5	35.8	395.2
500	503	17	29.7	32.8	44.3	438.9
560	563.4	17	33.2	36.7	55.5	491.7
630	633.8	17	37.4	41.3	70.3	553.1
90	90.6	21	4.3	4.9	1.2	81.1
110	110.7	21	5.3	6	1.8	99
125	125.8	21	6	6.7	2.3	112.6
140	140.9	21	6.7	7.5	2.9	126.3
160	161	21	7.7	8.6	3.7	144.1
180	181.1	21	8.6	9.6	4.7	162.4
200	201.2	21	9.6	10.7	5.8	180.2
225	226.4	21	10.8	12	7.4	202.9
250	251.5	21	11.9	13.2	9	225.6
280	281.7	21	13.4	14.9	11.4	252.5
315	316.9	21	15	16.6	14.3	284.4
355	357.2	21	16.9	18.7	18.1	320.5
400	402.4	21	19.1	21.2	23.1	360.8
450	452.7	21	21.5	23.8	29.3	406
500	503	21	23.9	26.4	36.1	451.1
560	563.4	21	26.7	29.5	45.2	505.5
630	633.8	21	30	33.1	57.1	568.7

PRODUCT DATA SHEET

## SIMONA Peak Yellow Service Gas Pipe (PE80)



Specification overview

- GIS PL2 - 2
- PP1547:2022 For use with Hydrogen
- KM 676129 - 1
- PE80 solid yellow

For transporting pressurised natural gas and suitable manufactured gas applications (PE80)

Control and ancillaries for use with Hydrogen

OD	SDR	Pressure rating	Material
20 mm	9	5.5 bar	PE80
25 - 63 mm	11	5.5 bar	PE80

Lengths

Pipes ≤ 63mm in diameter will be supplied in coil lengths of 25, 50, 100, 150m or lengths of 6 & 12m  
 Bespoke lengths can be produced on request

Markings

All products ≤ 63mm will be ink jet marked on one side with characters at least 3mm high in a contrasting colour to the pipe material also with a single “non-inked” indented strip plus an inkjet print line.

The following identification and traceability marks are printed once every metre:

- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE80
- Standard number: GIS PL2-2 / PP1547:2022
- SDR value: SDR11 (example)
- Outside diameter: 25mm (example)
- Manufacturing code: (Contains date)
- Application: Gas
- Pressure rating: 5.5 bar (example)

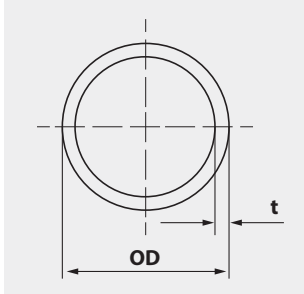
Suitable jointing methods

- Electrofusion Fittings
- Mechanical Fittings
- Compression Fittings
- Note: Maximum system pressure is only rated to the lowest performing component



PRODUCT DATA SHEET

## SIMONA Peak Yellow Service Gas Pipe (PE80)



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean Bore (mm)
20	20.3	9	2.3	2.7	0.1	15.2
25	25.3	11	2.3	2.7	0.1	20.2
32	32.3	11	3	3.4	0.3	25.8
63	63.4	11	5.8	6.5	1	50.9

PRODUCT DATA SHEET

## SIMONA Peak Yellow Mains Gas Pipe (PE80/PE100)



Specification overview

- GIS PL2-2
- PP1547:2022 For use with Hydrogen
- KM676129-1
- PE80/80 Yellow skin/Black core (SDR11/17.6)
- PE80/PE100 Yellow skin/Black core (SDR21)

For transporting pressurised natural gas and suitable manufactured gas applications (PE80/100)

Control and ancillaries for use with Hydrogen

OD	SDR	Pressure rating	Material
90 - 355mm	11	5.5 bar	PE80
90 - 355mm	17.6	3 bar	PE80
250 - 355mm	21	2 bar	PE80/PE100

Lengths

Pipes ≤ 180mm in diameter will be supplied in coil lengths of 50, 100m or lengths of 6 or 12m

Pipes ≥ 250mm in diameter will be supplied in standard stick lengths of 6, 12 or 13.5m.

Bespoke lengths can be produced on request

Markings

All products ≥ 90mm will be ink jet marked on one side with characters at least 5mm high in a contrasting colour to the pipe material also with two “non-inked” indented strip on opposite sides of the pipe.

The following identification and traceability marks are printed once every metre:

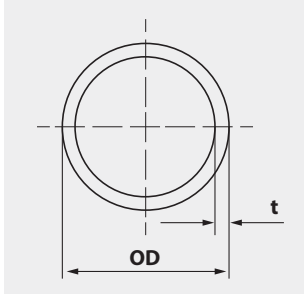
- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE80 (example)
- Standard number: GIS PL2-2 / PP1547:2022
- SDR value: SDR11 (example)
- Outside diameter: 180mm (example)
- Manufacturing code: (Contains date)
- Application: Gas
- Pressure rating: 5.5 bar (example)

Suitable jointing methods

- Butt fusion
- Electrofusion Fittings
- Mechanical Fittings
- Note: Maximum system pressure is only rated to the lowest performing component

PRODUCT DATA SHEET

**SIMONA Peak Yellow Mains Gas Pipe (PE80/PE100)**



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
90	90.6	11	8.2	9.2	2.1	72.9
125	125.8	11	11.4	12.7	4.1	101.3
180	181.1	11	16.4	18.2	8.4	146
250	251.5	11	22.7	25.1	16.2	203
315	316.9	11	28.6	31.6	25.7	255.8
355	357.2	11	32.3	35.7	32.7	288.1
90	90.6	17.6	5.2	5.9	1.4	79.2
125	125.8	17.6	7.1	8	2.6	110.3
180	181.1	17.6	10.3	11.5	5.5	158.8
250	251.5	17.6	14.2	15.8	10.5	220.8
315	316.9	17.6	17.9	19.8	16.7	278.3
355	357.2	17.6	20.2	22.4	21.3	313.5
250	251.5	21	11.9	13.2	8.9	225.7
315	316.9	21	15	16.6	14.2	284.4
355	357.2	21	16.9	18.7	18	320.5

PRODUCT DATA SHEET

## SIMONA Peak Orange Gas Pipe (PE100/PE100)



Specification overview

- GIS PL2 - 8
- PP1547:2022 For use with Hydrogen
- KM 718869 - 1
- PE100 - Orange solid
- PE100/PE100 - Orange skin/Black core

For transporting pressurised natural gas and suitable manufactured gas applications (PE100/100)

Control and ancillaries for use with Hydrogen

OD	SDR	Pressure rating	Material
63mm	11	7 bar	PE100
90 - 355mm	11	7 bar	PE100

### Lengths

Pipes ≤ 180mm in diameter will be supplied in coil lengths of 50, 100m or lengths of 6 or 12m

Pipes ≥ 250mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m

Bespoke lengths can be produced on request

### Markings

All products ≤ 63mm will be ink jet marked on one side with characters at least 3mm high in a contrasting colour to the pipe material also with a single “non-inked” indented strip plus an inkjet print line.

All products ≥ 90mm will be ink jet marked on one side with characters at least 5mm high in a contrasting colour to the pipe material also with two “non-inked” indented strip on opposite sides of the pipe.

The following identification and traceability marks are printed once every metre:

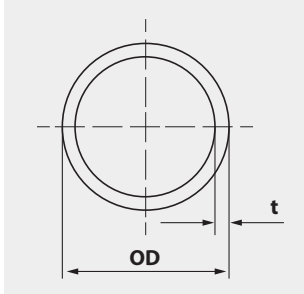
- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE100
- Standard number: GIS PL2-8 / PP1547:2022
- SDR value: SDR11 (example)
- Outside diameter: 180mm (example)
- Manufacturing code: (Contains date)
- Application: Gas
- Pressure rating: 7 bar (example)

### Suitable jointing methods

- Butt fusion
- Electrofusion Fittings
- Mechanical Fittings
- Note: Maximum system pressure is only rated to the lowest performing component

PRODUCT DATA SHEET

## SIMONA Peak Orange Gas Pipe (PE100/PE100)



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
63	63.4	11	5.8	6.5	1.1	50.9
90	90.6	11	8.2	9.2	2.1	72.9
125	125.8	11	11.4	12.7	4.1	101.3
180	181.1	11	16.4	18.2	8.4	146
250	251.5	11	22.7	25.1	16.2	203
315	316.9	11	28.6	31.6	25.7	255.8
355	357.2	11	32.3	35.7	32.7	288.1

PRODUCT DATA SHEET

# SIMONA Peak ClearDuct Beadless ECD C1+ (PE100)



Specification overview

- ENA TS 12-24 Issue 4 2021
- PE100 - Black C1+
- Beadless Welding
- Fast Welding Parameters
- Suitable for HDD installation

Bespoke colours upon request, MOQs apply

- PE100 - Green skin/Black core
- PE100 - Purple skin/Black core
- PE100 - Orange skin/Black core
- PE100 - Red skin/Black core

Robust beadless ducting for the protection of high voltage electric cables including signal and data cable infrastructure.

Suitable for installation via horizontal directional drilling.

OD	SDR	Classification	Material
125 - 315mm	9	C1+	PE100
110 - 315mm	11	C1+	PE100

Benefits

- High productivity bespoke welding parameters (up to 45% quicker than standard)\*
- No requirement to internally debeat the weld
- Mitigated risk of cable sheath damage during installation
- Bi-directional cable pulling vs PVC single direction of pull
- Ultimate protection for LV/HV cables
- 50+ years operational design life
- Optimum compressive strength

Lengths

Pipes ≥ 110mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m/15m\*

Bespoke lengths can be produced on request

Markings

All products will be marked on one side with characters at least 8mm high in a contrasting colour to the pipe material ≥110mm in diameter. Markings repeated every meter

The following identification and traceability marks are printed once every metre;

- Manufacturers identification: SIMONA Peak Pipe Systems
- Application Identifier: "ELECTRIC CABLE DUCT"
- Brand: ClearDuct
- Material designation: PE100
- Classification: C1+
- Standard number: ENA TS 12-24
- SDR value: SDR11 (example)
- Outside diameter: 250mm (example)
- Manufacturing code: (Contains date)

\*Size dependant / compared to standard WIS 4-32-08 welding parameters

PRODUCT DATA SHEET

# SIMONA Peak ClearDuct Beadless ECD C1+ (PE100)

Suitable jointing methods

Butt fusion - HDD installation

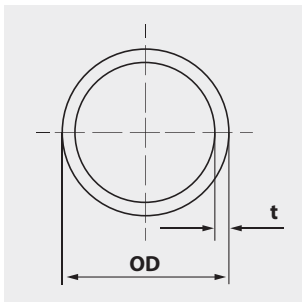
Note: ClearDuct by Peak Pipe Systems Welding Parameters only

Approved Welding Machines

- [Hy-Ram WeldMaster ABF](#)
- [Fusion Gator 2 ABF](#)

Dimensions

Maximum ovality 5% @ 450N force applied @ 75°C or equivalent at 20°C



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
110	110.7	9	12.3	13.7	3.8	84.4
125	125.8	9	14	15.6	4.9	95.8
160	161	9	17.9	19.8	8	122.7
180	181.1	9	20.1	22.3	10.2	138.2
200	201.2	9	22.4	24.8	12.6	153.4
225	226.4	9	25.2	27.9	15.9	172.5
250	251.5	9	27.9	30.8	19.6	192
280	281.7	9	31.3	34.6	24.6	214.9
315	316.9	9	35.2	38.9	31.1	241.8
110	110.7	11	10	11.1	3.2	89.2
125	125.8	11	11.4	12.7	4.1	101.2
160	161	11	14.6	16.2	6.7	129.7
180	181.1	11	16.4	18.2	8.5	146

PRODUCT DATA SHEET

## SIMONA Peak ClearDuct Beadless ECD C1+ (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
200	201.2	11	18.2	20.2	10.5	162.2
225	226.4	11	20.5	22.7	13.3	182.5
250	251.5	11	22.7	25.1	16.3	203
280	281.7	11	25.4	28.1	20.5	227.3
315	316.9	11	28.6	31.6	25.9	255.8



PRODUCT DATA SHEET

# SIMONA Peak Electric Cable Ducting C1+ (PE100) ENA TS 12-24



Specification overview

- ENA TS 12-24 Issue 4 2021
- PE100 - Black

Bespoke upon request, MOQs apply

- PE100 - Green skin/Black core
- PE100 - Purple skin/Black core
- PE100 - Orange skin/Black core
- PE100 - Red skin/Black core

Robust ducting for the protection of high voltage electric cables including signal and data cable infrastructure. Suitable for installation via horizontal directional drilling

OD	SDR	Classification	Material
90 - 450mm	7.4	C1+	PE100
63 - 450mm	9	C1+	PE100
63 - 630mm	11	C1+	PE100

Lengths

Pipes ≤ 180mm in diameter will be supplied in coil lengths of 25, 50, 100, 150m or lengths of 6 or 12m.  
Pipes ≥ 200mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m.  
Bespoke lengths can be produced on request

Markings

All products will be marked on one side with characters at least 6mm high in a contrasting colour to the pipe material <75mm in diameter.

All products will be marked on two side with characters at least 8mm high in a contrasting colour to the pipe material >90mm in diameter. Markings repeated every metre.

The following identification and traceability marks are printed once every metre;

- Manufacturers identification: SIMONA Peak Pipe Systems
- Application Identifier: "ELECTRIC CABLE DUCT"
- Material designation: PE100
- Classification: C1+
- Standard number: ENA TS 12-24
- SDR value: SDR11 (example)
- Outside diameter: 250mm (example)
- Manufacturing code: (Contains date)

Suitable jointing methods

Butt fusion - HDD installtion

Electrofusion Fittings - Open trench installations

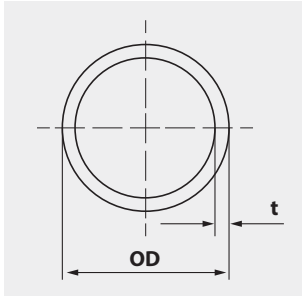
Note: Maximum system pressure is only rated to the lowest performing component

Dimensions

Maximum ovality 5% @ 450N force applied @ 75 °C or equivalent at 20 °C

PRODUCT DATA SHEET

## SIMONA Peak Electric Cable Ducting C1+ (PE100)



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
90	90.6	7.4	12.3	13.7	3.0	64.3
110	110.7	7.4	15.1	16.8	4.5	78.4
125	125.8	7.4	17.1	19	5.8	89.2
140	140.9	7.4	19.2	21.3	7.3	99.9
160	161	7.4	21.9	24.2	9.5	114.3
180	181.1	7.4	24.6	27.2	12.1	128.8
200	201.2	7.4	27.4	30.3	14.9	142.8
225	226.4	7.4	30.8	34	18.9	160.9
250	251.5	7.4	34.2	37.8	23.3	178.8
280	281.7	7.4	38.3	42.3	29.2	200.3
315	316.9	7.4	43.1	47.6	37.0	225.2
355	357.2	7.4	48.5	53.5	46.9	254.1
400	402.4	7.4	54.7	60.3	59.5	286.2
450	452.7	7.4	61.5	67.8	75.3	322
63	63.4	9	7.1	8	1.3	48
90	90.6	9	10.1	11.3	2.6	68.9
110	110.7	9	12.3	13.7	3.8	84.4
125	125.8	9	14	15.6	4.9	95.8
140	140.9	9	15.7	17.4	6.2	107.3
160	161	9	17.9	19.8	8	122.7
180	181.1	9	20.1	22.3	10.2	138.2

PRODUCT DATA SHEET

## SIMONA Peak Electric Cable Ducting C1+ (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
200	201.2	9	22.4	24.8	12.6	153.4
225	226.4	9	25.2	27.9	15.9	172.5
250	251.5	9	27.9	30.8	19.6	192
280	281.7	9	31.3	34.6	24.6	214.9
315	316.9	9	35.2	38.9	31.1	241.8
355	357.2	9	39.7	43.8	39.5	272.5
400	402.4	9	44.7	49.3	50.2	307.2
450	452.7	9	50.3	55.5	63.5	345.6
63	63.4	11	5.8	6.5	1.1	50.8
90	90.6	11	8.2	9.2	2.1	72.9
110	110.7	11	10	11.1	3.2	89.2
125	125.8	11	11.4	12.7	4.1	101.2
140	140.9	11	12.7	14.1	5.1	113.7
160	161	11	14.6	16.2	6.7	129.7
180	181.1	11	16.4	18.2	8.5	146
200	201.2	11	18.2	20.2	10.5	162.2
225	226.4	11	20.5	22.7	13.3	182.5
250	251.5	11	22.7	25.1	16.3	203
280	281.7	11	25.4	28.1	20.5	227.3
315	316.9	11	28.6	31.6	25.9	255.8
355	357.2	11	32.2	35.6	32.9	288.3
400	402.4	11	36.3	40.1	41.8	324.8
450	452.7	11	40.9	45.1	52.9	365.4
500	503	11	45.4	50.1	65.3	405.9
560	563.4	11	50.8	56	81.8	454.9
630	633.8	11	57.2	63.1	103.6	511.5