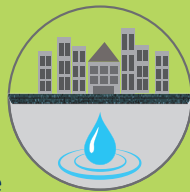


SC80 and SC100 water pipes



Our range of SC80 and SC100 are innovative solid wall polyethylene pipes developed as part of Radius Systems' continuous product improvement process. Manufactured using a specialist co-extrusion technology, the pipe is produced as a single pipe wall construction with a black inner and an integral colour coded light blue (SC80) or dark blue (SC100) outer, denoting the pipe's application.

Available in diameters 20 to 1200 mm in a range of SDRs and pressure ratings to suit your pipeline requirements, SC pipe can be joined using standard electrofusion and butt-fusion welding techniques as well as our unique and innovative range of Redman™ hydraulic compression fittings.

Approvals

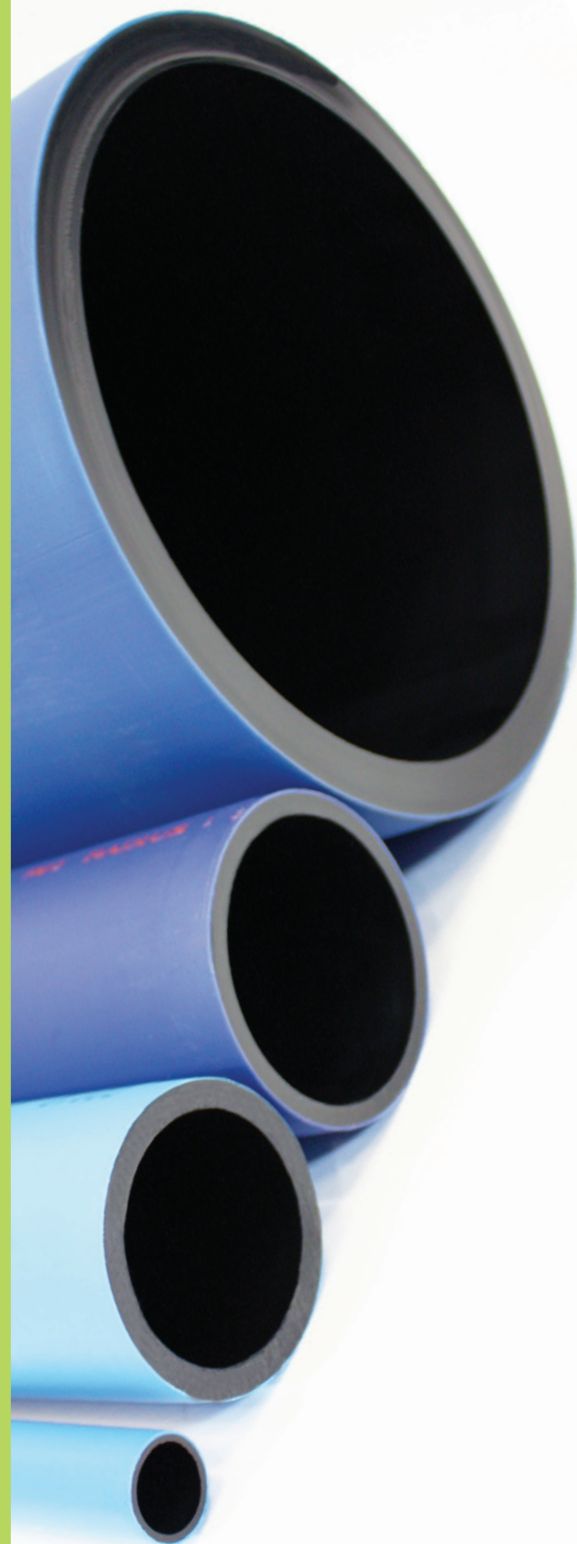
- WRAS approved PE materials
- WRAS approved product for SC80
- BS EN 12201 Kitemark for SC80 and SC100 pipe diameters 20 to 1200 mm



KM 83015

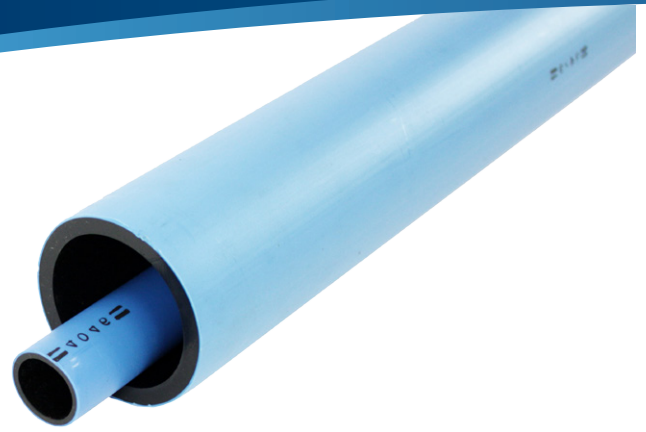
Features and Benefits

- Colour coded surface to easily identify the material and its application
 - SC80: pipe with PE80 black inner and PE80 light blue outer
 - SC100: pipe with PE100 black inner and PE100 dark blue outer
- Joined using conventional electrofusion and butt-fusion techniques
- Simple pipe preparation using rotary or hand scraping tools for electrofusion jointing
- Fully compatible with approved electrofusion, spigot, mechanical and Redman™ fittings
- Standard and bespoke pipe sizes and SDRs available to meet your specific project requirements
- Suitable for open-cut and no-dig installation techniques
- Ideal for use in pipeline rehabilitation projects
- All pipes supplied with end closures to protect from contamination from manufacturing to installation



SC80 service pipe

Our SC80 service pipe is manufactured from PE80 materials and is easily identifiable by its light blue coloured outer surface. Manufactured in sizes 20 to 63 mm in straight and coiled pipe, SC80 is available in SDR9 and SDR11. For special projects requiring bespoke pipe diameters, SDRs and lengths, please contact Radius Systems.



Nominal diameter mm	SDR	Product code - straight pipe	Product code - coiled pipe					Weight kg/m
		6 m	25 m	50 m	100 m	150 m	200 m	
20	9	-	VA0020	VA0021	VA0022	VA0023	-	0.2
25	11	VA0026	VA0027	VA0028	VA0029	VA0030	-	0.2
32	11	VA0033	VA0034	VA0035	VA0036	VA0037	VA0011	0.3
40	11	VA0039	-	-	VA0041	VA0042	VA0043	0.5
50	11	VA0049	VA0054	VA0051	VA0052	VA0053	-	0.7
63	11	VA0068	VA0070	VA0071	VA0072	VA0073	-	1.1

SC100 mains pipe

Our SC100 mains pipe is manufactured from PE100 materials and is easily identifiable as a high density polyethylene pipe by its dark blue coloured outer surface. Manufactured in sizes 90 to 1200 mm in straight and coiled pipe, SC100 is available in SDR11, SDR17, SDR21 and SDR26 as standard. For special projects requiring bespoke pipe diameters, SDRs and lengths, please contact Radius Systems.



SDR11 - Maximum pressure 16 bar

Nominal diameter mm	Product code - straight pipe				Product code - coiled pipe		Weight kg/m
	6 m	12 m	13.5 m	15 m	50 m	100 m	
90	VC0125	VC0127	-	-	VC0128	VC0129	2.3
110	VC0233	VC0235	-	-	VC0236	VC0237	3.3
125	VC0287	VC0289	-	-	VC0290	VC0291	4.3
160	VC0458	VC0460	-	-	VC0461	VC0462	7.1
180	VC0530	VC0532	VC0538	-	VC0534	VC0535	9.0
200	VC0607	VC0609	VC0610	-	-	-	11.0
225	VC0711	VC0713	VC0714	VC0716	-	-	14.0
250	VC0766	VC0769	VC0770	VC0722	-	-	17.2
280	VC0879	VC0881	VC0882	-	-	-	21.5
315	VC0985	VC0988	VC0989	VC0991	-	-	27.2
355	VC1044	VC1047	VC1048	VC1051	-	-	34.5
400	VC1104	VC1107	VC1108	VC1110	-	-	43.8
450	VC1219	VC1221	VC1222	-	-	-	55.5
500	VC1327	VC1329	-	-	-	-	68.4
560	VC1383	VC1385	VC1386	VC1389	-	-	85.7
630	VC1439	VC1441	-	VC1445	-	-	108.6

SDR17 - Maximum pressure 10 bar

Nominal diameter mm	Product code - straight pipe				Product code - coiled pipe		Weight kg/m
	6 m	12 m	13.5 m	15 m	50 m	100 m	
90	VC0143	VC0145	-	-	VC0146	VC0147	1.6
110	VC0251	VC0253	-	-	VC0254	VC0255	2.3
125	VC0305	VC0307	-	-	VC0308	VC0309	3.0
140	VC0359	VC0361	-	-			3.7
160	VC0476	VC0478	-	-	VC0362	VC0363	4.8
180	VC0550	VC0552	VC0558	-	VC0479	VC0480	6.1
200	VC0621	VC0623	VC0624	-	VC0554	VC0555	7.5
225	VC0725	VC0727	VC0728	VC0730	-	-	9.5
250	VC0784	VC0787	VC0788	VC0790	-	-	11.6
280	VC0895	VC0897	VC0898	VC0901	-	-	14.6
315	VC1003	VC1006	VC1007	VC1069	-	-	18.5
355	VC1062	VC1065	VC1066	VC1077	-	-	23.6
400	VC1122	VC1125	VC1126	VC1128	-	-	29.7
450	VC1235	VC1237	VC1238	-	-	-	37.7
500	VC1343	VC1345	-	-	-	-	46.5
560	VC1399	VC1401	VC1402	-	-	-	58.3
630	VC1455	VC1457	-	VC1461		-	73.8

Pipe weights shown are for lifting and handling purposes; they are based on the maximum diameter and pipe wall thicknesses as specified in BS EN 12201.

