

# SC100 SOLID WALL PE100 PIPE

## The high performance polyethylene mains pipe offering by Radius.

Our SC100 mains pipes are solid wall polyethylene pipes developed as part of Radius Systems' continuous product improvement process.

Manufactured from high performance PE100 materials using a specialist co-extrusion technique, the pipes are produced as a single layer pipe wall construction with a black inner and an integral colour coded dark blue outer, denoting the pipe's material and application.

Available in diameters 90 to 630mm for water pipeline pressure up to 16 bar, our SC100 pipes can be joined using standard electrofusion and butt-fusion welding techniques as well as our unique and innovative range of Redman™ hydraulic compression fittings and suitable mechanical fittings.



### Features and Benefits

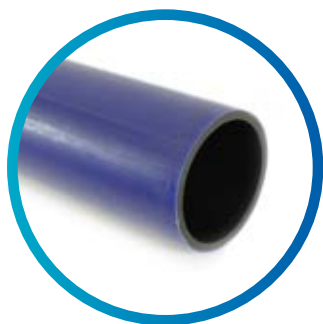
- Manufactured from high performance PE100 material.
- Colour coded surface to easily identify the material and its application:
  - PE100 black inner
  - PE100 dark blue outer
- Joined using conventional electrofusion and butt-fusion techniques.
- Simple pipe preparation using rotary or hand scraping 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 and for use in pipeline rehabilitation projects.
- All pipes supplied with end closures to protect the pipe from dust or rodent ingress from manufacturing to installation.



### Approvals

- Approved under regulation 31 of the Water Supply (Water Quality) Regulations 2000.
- BS EN 12201-2:2011+A1:2013.
- DVGW - DW-8143CR0347

# Product Range



**SDR 21/26 available on request**

## SC100 pipe

Nominal diameter	SDR	Pressure rating	Product code straight pipe			Product code coiled pipe		Weight
mm		Bar	6m	12m	13.5m	50m	100m	kg/m
90	11	16	VC0125	VC0127	-	VC0128	VC0129	2.3
110	11	16	VC0233	VC0235	-	VC0236	VC0237	3.3
125	11	16	VC0287	VC0289	-	VC0290	VC0291	4.3
160	11	16	VC0458	VC0460	-	VC0461	VC0462	7.1
180	11	16	VC0530	VC0532	-	VC0534	VC0535	9.0
200	11	16	VC0607	VC0609	VC0610	-	-	11.0
225	11	16	VC0711	VC0713	VC0714	-	-	14.0
250	11	16	VC0766	VC0769	VC0770	-	-	17.2
280	11	16	VC0879	VC0881	VC0882	-	-	21.5
315	11	16	VC0985	VC0988	VC0989	-	-	27.2
355	11	16	VC1044	VC1047	VC1048	-	-	34.5
400	11	16	VC1104	VC1107	VC1108	-	-	43.8
450	11	16	VC1219	VC1221	VC1222	-	-	55.5
500	11	16	VC1327	VC1329	VC1330	-	-	68.4
560	11	16	VC1383	VC1385	-	-	-	85.7
630	11	16	VC1439	VC1441	-	-	-	108.6
90	17	10	VC0143	VC0145	-	VC0146	VC0147	1.6
110	17	10	VC0251	VC0253	-	VC0254	VC0255	2.3
125	17	10	VC0305	VC0307	-	VC0308	VC0309	3.0
160	17	10	VC0476	VC0478	-	VC0479	VC0480	4.8
180	17	10	VC0550	VC0552	VC0558	VC0554	VC0555	6.1
200	17	10	VC0621	VC0623	VC0624	-	-	7.5
225	17	10	VC0725	VC0727	VC0728	-	-	9.5
250	17	10	VC0784	VC0787	VC0788	-	-	11.6
280	17	10	VC0895	VC0897	VC0898	-	-	14.6
315	17	10	VC1003	VC1006	VC1007	-	-	18.5
355	17	10	VC1062	VC1065	VC1066	-	-	23.6
400	17	10	VC1122	VC1125	VC1126	-	-	29.7
450	17	10	VC1235	VC1237	VC1238	-	-	37.7
500	17	10	VC1343	VC1345	VC1346	-	-	46.5
560	17	10	VC1399	VC1401	VC1402	-	-	58.3
630	17	10	VC1455	VC1457	-	-	-	73.8

**Note:** Pipe weights shown are for lifting and handling purposes. They are based on the maximum diameter and pipe wall thickness as specified in BS EN 12201.

