

August 2004

Solid-Wall Stormdrain Pipe

Nominal Pipe Size (inches)	Stiffness Type	Average Outside Diameter (inches)	Approximate Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approximate Weight (lbs/100')
4	Series 46	4.215	3.95	0.120	105
6	Series 46	6.275	5.89	0.180	234
8	Series 46	8.400	7.88	0.240	418
10	Series 46	10.500	9.85	0.300	664
12	Series 46	12.500	11.73	0.360	933
15	Series 46	15.300	14.36	0.437	1387
18	Series 46	18.701	17.55	0.536	2079
21	Series 46	22.047	20.69	0.632	2890
24	Series 46	24.803	23.28	0.711	3658
6	Series 28	6.140	5.81	0.150	192
8	Series 28	8.160	7.73	0.199	338
10	Series 28	10.200	9.66	0.249	529
12	Series 28	12.240	11.60	0.299	762
15	Series 28	15.300	14.50	0.373	1189
18	Series 28	18.701	17.72	0.456	1777
21	Series 28	22.047	20.89	0.538	2471
24	Series 28	24.803	23.50	0.605	3135
6	Series 14	6.140	5.88	0.120	154
8	Series 14	8.160	7.81	0.160	273
10	Series 14	10.200	9.77	0.200	427
12	Series 14	12.240	11.72	0.240	615
15	Series 14	15.300	14.65	0.300	961
18	Series 14	18.701	17.91	0.367	1437
21	Series 14	22.047	21.12	0.432	1994
24	Series 14	24.803	23.76	0.486	2524

Notes: All Sizes have integral gasketed bells.

Pipe Material: Pipe compound meets ASTM D 1784, cell class 12454 or 12364. Gaskets meet ASTM F 477.

Pipe Design: Series 46 pipe meets ASTM D 3034 (4"-15") or ASTM F 679 (18"-24"). Series 28 or 14 pipe meets SCS 430DD. Pipe stiffness is tested in accordance with ASTM D 2412.

Installation: PWEagle stormdrain pipe should be installed according to the PWEagle *Installation Guide for PVC Sewer Pipe*. Installation instructions are also found on labels that are included on the pipe.

Testing: PWEagle tests its stormdrain pipe for dimensional compliance, impact resistance, flattening, stiffness, and joint integrity according to ASTM standards.

Drainage Products

ASTM D 2729 Drainline Pipe (available perforated or solid-wall)

Nominal Pipe Size (inches)	Average Outside Diameter (inches)	Base Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approximate Weight (lbs/100')
3	3.250	3.10	0.070	46
4	4.215	4.05	0.075	64
6	6.275	6.06	0.100	128

SDR 35 Underdrain Perforated Pipe (for solid-wall, see PWEagle ASTM D 3034 sewer pipe)

Nominal Pipe Size (inches)	Average Outside Diameter (inches)	Base Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approximate Weight (lbs/100')
4	4.215	3.89	0.120	102
6	6.275	5.74	0.180	234

Notes: All ASTM D 2729 pipe is sold in standard 10 foot lengths with integral solvent-weld bells. SDR 35 Underdrain pipe is sold in standard 20 foot lengths with integral solvent-weld bells.

Pipe Material: Pipe compound meets ASTM D 1784, cell class 12454 or 12364.

Pipe Design:

Drainline Pipe: Solid wall and 4" perforated wall meet ASTM D 2729. 3" and 6" perforated meet ASTM D 2729 prior to perforation.

Underdrain Pipe: Pipe meets ASTM D 3034 prior to perforation.

Perforation Pattern: All pipe perforations follow the ASTM D 2729 perforation specification of two rows of 1/2" diameter holes with hole spacing of 5" center-to-center. The rows of holes are 120° apart.

Agency Listing:

Drainline Pipe: Solid wall pipe and 4" perforated wall pipe are listed by Underwriters Laboratories, Inc.® prior to perforation.

Underdrain Pipe: Pipe is listed by Underwriters Laboratories, Inc.® prior to perforation.

Installation:

PWEagle Drainline and Underdrain pipe should be installed according to the PWEagle *Installation Guide for PVC Sewer Pipe*. The pipe should be installed with the print line facing upwards to properly locate the perforations.

Testing:

PWEagle tests its drainline and underdrain pipe for dimensional compliance, impact resistance, flattening, stiffness, and joint integrity according to ASTM standards.