

# CertainTeed

## PVC Pressure Pipe

CertainTeed pressure pipe is performance proven for a broad range of piping applications. Available in a wide variety of sizes, classes, and joining systems, CertainTeed has a PVC pipe product to suit virtually all of your requirements for transporting potable or reclaimed water. CertainTeed piping products conform to American Society for Testing and Materials (ASTM) standards, as applicable and as shown below. International Association of Plumbing and Mechanical Officials—Uniform Plumbing Code (IAPMO-UPC) listings are also shown in the tables below. All products are NSF61 listed as safe for use with potable water.

- Sizes:** 1/2" - 12" (IPS Diameters)
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- Pressure Classes:** Class 100, Class 125, Class 160, Class 200, Class 315, Schedule 40, Schedule 80
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- Joining Systems:** Solvent Weld Belled-End (BE) and Plain End (PE) ..... 20' overall lengths\*  
Gasketed Integral Bell ..... 20' laying lengths
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- Applications:** Potable and non-potable water distribution. Reclaimed water pipe is purple in color and is designed for non-potable water applications.
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- The PVC Advantage:** PVC is lightweight, easy to handle and flexible, and offers excellent corrosion and chemical resistance. In addition, the smooth interior surface of PVC pipe provides exceptional flow characteristics. PVC material used in the production of CertainTeed pipe meets the requirements of ASTM D1784, cell classification 12454 (PVC 1120).

**WARNING: Do not use or test PVC pipe with compressed air or gas, as the sudden release of stored energy can result in a catastrophic failure.**

\*Inquire regarding availability of 10' or special lengths

**Class 100 (SDR 41) - Pressure Rating = 100 psi**

ASTM D2241			Solvent Weld Joint			Gasketed Joint		
Size	O. D.	Min. Wall	Weight	Potable	Reclaimed	Weight	Potable	Reclaimed
3"	3.500	0.085	0.603	002429				
4"	4.500	0.110	0.993	002870		1.022	002887	
5"	5.563	0.136	1.518	003099				
6"	6.625	0.162	2.144	003464		2.222	003471	
8"	8.625	0.210	3.601	003785		3.763	003808	
10"	10.750	0.262	5.573	004065		5.838	004072	
12"	12.750	0.311	7.846	004348		8.265	004355	

**Class 125 (SDR 32.5) - Pressure Rating = 125 psi**

ASTM D2241			Solvent Weld Joint			Gasketed Joint		
Size	O. D.	Min. Wall	Weight	Potable	Reclaimed	Weight	Potable	Reclaimed
1-1/4"	1.660	0.060	0.192	001408				
1-1/2"	1.900	0.060	0.231	001620				
2"	2.375	0.073	0.335	001989				
2-1/2"	2.875	0.088	0.492	002122				
3"	3.500	0.108	0.754	002436		0.772	002443	
4"	4.500	0.138	1.238	002894		1.274	002900	
5"	5.563	0.171	1.888	003105				
6"	6.625	0.204	2.669	003488		2.767	003495	
8"	8.625	0.265	4.493	003822		4.695	003839	
10"	10.750	0.331	6.994	004102		7.326	004119	
12"	12.750	0.392	9.778	004379		10.301	004386	



*Quality made certain. Satisfaction guaranteed.*

**Class 200 (SDR 21) – Pressure Rating = 200 psi  
ASTM D2241**

Size	O.D.	Min. Wall	Solvent Weld Joint			Gasketed Joint		
			Weight	Potable	Reclaimed	Weight	Potable	Reclaimed
3/4"	1.050	0.060	0.125	001071	001101			
1"	1.315	0.063	0.165	001279	001293			
1-1/4"	1.660	0.079	0.259	001422	001439			
1-1/2"	1.900	0.090	0.338	001651	001668			
2"	2.375	0.113	0.526	002016	002030	0.537	002023	
2-1/2"	2.875	0.137	0.772	002177	002191	0.792	002184	006151
3"	3.500	0.167	1.140	002474	002498	1.170	002481	006007
4"	4.500	0.214	1.869	002955		1.923	002962	002979
6"	6.625	0.316	4.043	003532		4.191	003549	006168
8"	8.625	0.410	6.798	003884		7.104	003891	006311
10"	10.750	0.511				11.009	004157	006298
12"	12.750	0.606				15.498	004423	006304

**Class 315 (SDR 13.5) – Pressure Rating = 315 psi  
ASTM D2241**

Size	O.D.	Min. Wall	Solvent Weld Joint		
			Weight	Potable	Reclaimed
1/2"	0.840	0.062	0.101	000906	000913
2"	2.375	0.176	0.792	002047	002054
2-1/2"	2.875	0.213	1.155	002207	002214
3"	3.500	0.259	1.702	002504	002511
4"	4.500	0.333	2.814	002986	002993

**Schedule 80  
ASTM D1785**

Size	O.D.	Min. Wall	Solvent Weld Joint			Pressure Rating, psi
			Weight	Potable	Reclaimed	
1/2"	0.840	0.147	0.209	000838		850
3/4"	1.050	0.154	0.283	001002		690
1"	1.315	0.179	0.416	001217		630
1-1/4"	1.660	0.191	0.572	001385		520
1-1/2"	1.900	0.200	0.693	001590		470
2"	2.375	0.218	0.958	001941		400
2-1/2"	2.875	0.276	1.455	002115		420
3"	3.500	0.300	1.947	002412		370
4"	4.500	0.337	2.845	002849		320
6"	6.625	0.432	5.400	003419		280
8"	8.625	0.500	8.200	003730		250
10"	10.750	0.593	12.098	004034		230
12"	12.750	0.687	16.566	004300		230

**Schedule 40  
ASTM D1785**

Size	O.D.	Min. Wall	Solvent Weld Joint			Plain End	Pressure Rating, psi
			Weight	Potable	Reclaimed	Potable	
1/2"	0.840	0.109	0.163	000784	000814	000791	600
3/4"	1.050	0.113	0.218	050727	000982	000968	480
1"	1.315	0.133	0.323	051021	001187	001163	450
1-1/4"	1.660	0.140	0.438	001347	001378	001354	370
1-1/2"	1.900	0.145	0.521	001545	001576	001552	330
2"	2.375	0.154	0.700	001873	001903	001880	280
2-1/2"	2.875	0.203	1.105	002078	002092	002085	300
3"	3.500	0.216	1.445	002351	002382	002368	260
4"	4.500	0.237	2.059	002788	002818	002801	220
5"	5.563	0.258	2.776	003037		003044	190
6"	6.625	0.280	3.603	003365	003389	003372	180
8"	8.625	0.322	5.422	003716		003723	160
10"	10.750	0.365	7.651	004010		004027	140
12"	12.750	0.408	10.115	004287		004294	130

Schedule 40 not available with gasketed joints

**Packaging**

Size	Feet Per Lift			Feet Per Truckload		
	Solvent Weld Joint	Gasketed Joint	Lift Percent of Truckload	Size	Solvent Weld Joint	Gasketed Joint
1/2"	8000	-	2.9%	1/2"	272,000	
3/4"	8000	-	3.8%	3/4"	208,000	
1"	4800	-	3.3%	1"	144,000	
1-1/4"	4000	-	3.8%	1-1/4"	104,000	
1-1/2"	2700	-	3.1%	1-1/2"	86,400	
2"	1800	1800	3.1%	2"	57,600	57,600
2-1/2"	1400	1400	3.6%	2-1/2"	39,200	39,200
3"	1200	1200	4.2%	3"	28,800	28,800
4"	1080	1080	6.3%	4"	17,280	17,280
5"	700	-	6.3%	5"	11,200	
6"	600	600	8.3%	6"	7,200	7,200
8"	280	300	6.3%	8"	4,480	4,800
10"	220	240	8.3%*	10"	2,640	2,640
12"	180	120/160	8.3%*	12"	2,160	2,240

\* Percent of Truckload on 10" and 12" applies to Solvent Weld Joints only – call for information on Gasketed Joints.

**General Notes**

- All pressure ratings are working pressures, not including a surge allowance, at 73°F.
- Dimensions in all tables are in inches. Weights are approximate and are shown in lbs. per ft.
- All dimensions and weights are subject to normal manufacturing tolerances.

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**Also available from CertainTeed:**

- Sewer & Drain Pipe
- PVC Well Casing and Drop Pipe

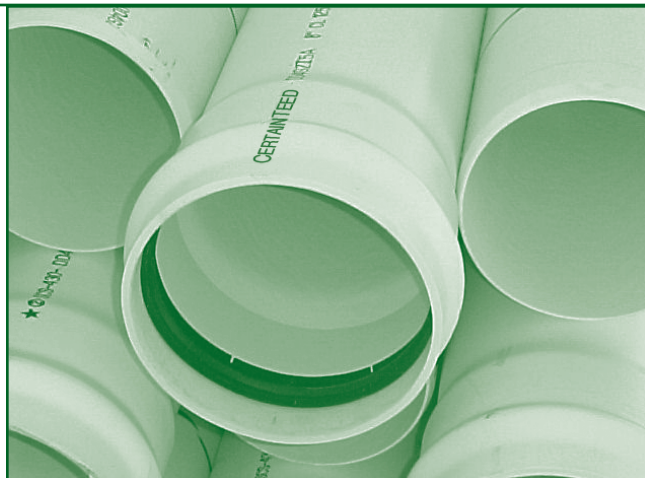
**For more information contact:**

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