

SUBMITTAL FOR CHARLOTTE PIPE® RePVC® - PVC SCHEDULE 40 PIPE WITH RECYCLED CONTENT AND PVC DWV FITTING SYSTEM

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____

► Scope:

This specification covers PVC Schedule 40 pipe with recycled content and PVC DWV fittings used in sanitary drain, waste, and vent (DWV), sewer and storm drainage applications. This system is intended for use in non-pressure applications where the operating temperature will not exceed 140°F.

► Specification:

Inside and outside layers of pipe shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a minimum cell class of 11432 per ASTM D 4396. Center layer of pipe shall be manufactured from recycled PVC compounds with a minimum cell class of 11211 per ASTM D 4396. Fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.

Center layer of pipe shall be comprised of 100% recycled material and make up 30 – 80% of the pipe's overall wall thickness.

Coextruded PVC pipe with recycled content shall be Schedule 40 iron pipe size (IPS) conforming to ASTM F 1760. Injection-molded PVC DWV fittings shall conform to ASTM D 2665. Fabricated PVC DWV fittings shall conform to ASTM F 1866. All pipe and fittings shall be manufactured in the United States. All systems shall utilize a separate waste and vent system. Pipe and fittings shall conform to NSF International Standard 14.

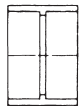
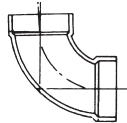
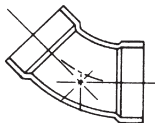
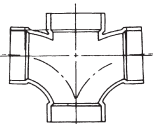
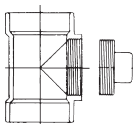
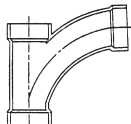
► Installation:

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM D 2321 and ASTM F 1668. Solvent cement joints shall be made in a two-step process with primer conforming to ASTM F 656 and solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire-stopping materials, thread sealant, plasticized-vinyl products, or other aggressive chemical agents not compatible with PVC compounds. Systems shall be hydrostatically tested after installation. **WARNING!** Never test with or transport/store compressed air or gas in PVC pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

► Referenced Standards:

- | | |
|-----------------|--|
| ASTM D 4396 | Compounds for Cellular Core Pipe |
| ASTM F 1760 | Co-Extruded PVC Pipe with Recycled Content |
| ASTM D 2665 | PVC Drain, Waste, and Vent Fittings |
| ASTM D 2564 | Solvent Cements for PVC Pipe and Fittings |
| ASTM D 2321 | Underground Installation of Thermoplastic Pipe (non-pressure applications) |
| ASTM F 656 | Primers for PVC Pipe and Fittings |
| ASTM F 1668 | Procedures for Buried Plastic Pipe |
| ASTM F 1866 | Fabricated PVC DWV Fittings |
| NSF Standard 14 | Plastic Piping Components and Related Materials |



 Coupling	 Quarter Bend	 Eighth Bend
 Double Sanitary Tee	 Cleanout Tee w/Plug	 Combination Wye & Eighth Bend

Not all fitting patterns shown

RePVC® DWV Pipe

PVC Schedule 40 DWV Pipe with Recycled Content (For Non-Pressure Applications) NSF

PVC SCHEDULE 40 (WHITE)			PLAIN END		ASTM F 1760	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 15112	1½" x 20'	11744	3440'	1.900	.145	50.7
PVC 15200	2" x 20'	11745	2220'	2.375	.154	68.1
PVC 15300	3" x 20'	11746	920'	3.500	.216	141.2
PVC 15400	4" x 20'	11748	1200'	4.500	.237	201.2
PVC 15600	6" x 20'	11749	560'	6.625	.280	353.7
PVC 15800	8" x 20'	11984	360'	8.625	.322	544.6

NSF Listed. Meets All Requirements of ASTM D 4396 and ASTM F 1760.