



Sheet Number: 1.2.1

Product Specifications

Miami-Dade Water & Sewer Department
Address: 3071 SW 38th Ave, Miami, FL 33146
Phone: (305) 665-7477
Email: WASD-STANDARDS@miamidade.gov

Poly Vinylchloride (PVC) Pipe- C900



Minimum Standards

- AWWA C900
- ASTM D1784, D3139, F477
- MDWASD Specifications: Sections 33 31 11 (UC-250), 33 14 00 (15060), 33 05 31.16 (15067)

Other Requirements

- For C900 – DR 14, 18, 25
- For Pressure applications – DR 18
- For wellfields and gravity sewer deeper than 13 feet
- Color Green for sanitary sewer application
- Color Blue for potable water application
- Saddles are required for all corporation stops and service connections.
- All PVC installed shall have the ability to be located aboveground. Tracer Wire, Magnetic Balls and Location Safety Tape are all required per WASD Standards.
- No deflections are allowed at the joints. Longitudinal deflection along the pipe barrel shall be limited to the Table provided in Specification 33 05 31.16.
- Pipe shall have a gasket locking system at the bell end (MJ Joints).

Applications

- Sewer – For gravity and pressure applications approved by the Department.
- Potable Water – Acceptable for use 4 to 16-inches in diameter due to supply chain disruptions. The Department will return to the original standard of only for use in saltwater intrusion areas on 9-30-2023.

PRE-APPROVED MANUFACTURER

- 1) CertainTeed/North American Specialty Products
- 2) Diamond Plastics Corp
- 3) IPEX Inc.
- 4) JM Eagle
- 5) National Pipe & Plastics, Inc.
- 6) North American Pipe Corp
- 7) Sanderson Pipe Corp.
- 8) Next Polymers

Issue Date:

4-4-2016

Revised Date:

2-28-24

APPROVED PRODUCTS / MODELS			
PIPE SIZE	MANUFACTURER	MODEL	SUBMITTED
PRESSURE PIPE			
4" - 16"	CertainTeed/North American Specialty Products	Certa-Lock C900/RJ	<input type="checkbox"/>
4" - 12"	Diamond Plastics Corp	C900 PVC Pressure Pipe	<input type="checkbox"/>
14" - 30"	Diamond Plastics Corp	Trans-21	<input type="checkbox"/>
4" - 30"	IPEX Inc.	Ipex Centurion	<input type="checkbox"/>
4" - 12"	IPEX Inc.	Blue Brute Pipe	<input type="checkbox"/>
14" - 24"	JM Eagle	C900 Big Blue	<input type="checkbox"/>
4" - 12"	JM Eagle	Blue Brute C900	<input type="checkbox"/>
4" - 12"	National Pipe & Plastics, Inc.	Dura-Blue C900	<input type="checkbox"/>
14" - 24"	National Pipe & Plastics, Inc.	Dura-Blue C900	<input type="checkbox"/>
4" - 30"	North American Pipe Corp	Gasketed Integral Bell PVC Pipe C900	<input type="checkbox"/>
4" - 12"	Sanderson Pipe Corp.	C900 (Blue)	<input type="checkbox"/>
4" - 16"	Next Polymers	Aqualoc	<input type="checkbox"/>
<i>Note: Other sizes require MDWASD Approval</i>			
SIZES FURNISHED:			
<input type="checkbox"/> 4"	<input type="checkbox"/> 12"	<input type="checkbox"/> 20"	
<input type="checkbox"/> 6"	<input type="checkbox"/> 14"	<input type="checkbox"/> 24"	
<input type="checkbox"/> 8"	<input type="checkbox"/> 16"	<input type="checkbox"/> 30"	
<input type="checkbox"/> 10"	<input type="checkbox"/> 18"	<input type="checkbox"/> Other	
REMARKS - PROVIDE SDR RATING: _____			
APPLICATION _____			
PIPE COLOR			
<input type="checkbox"/> Green (Sewer) <input type="checkbox"/> Blue (Potable Water))			
COMMENTS: _____			

Approved by: MDWASD Departmental Standards, Specifications and Products Committee			
Revision History:			
9-22-2022: Removed All References to C905; Allowed the use of PVC DR 18 (4-inch to 16-inch) countywide for potable water due to supply chain disruptions until 9-30-2023.			
2-28-2024 Added Next Polymers Aqualoc PVC Pipe;			