



Building essentials
for a better tomorrow™

SOLVENT WELD

SCHEDULE SERIES

MEETS ASTM D1785 AND D2665.



APPLICATIONS

JM Eagle Solvent Weld Schedule Series pipes are suitable for use in both pressure and drain, waste and vent applications.

DESCRIPTION

JM Eagle's wide line of Solvent Weld includes PVC Schedule 40 (ASTM D1785 and ASTM D2665) and 80 (ASTM D1785) for both pressure and non-pressure applications.

The pipes are available in 10- and/or 20-foot lengths, in ½- to 16-inch diameters in Schedule 40, bell end, and ½- to 12-inch diameters in Schedule 80, plain end.

JM Eagle's ASTM 1785 product also comes in a specially formulated PVC material to increase resistance to ultraviolet rays. Called SolarBlok, it comes in IPS, 20-foot lengths, in beige.

Solvent Weld joints are designed to provide a rigid (or restrained) joint connection, and the schedule-rated products are specifically engineered for use in partial support systems above ground.

A 20-foot length of Solvent Weld Schedule 40 PVC water pipe weighs approximately 72 pounds.

BENEFITS

JM Eagle Solvent Weld schedule series pipe is cost-effective and long-lasting.

- It can be field-cut with a power saw or ordinary handsaw without the use of expensive or complicated machinery.
- Easy to load, transport and handle, installers prefer it because it goes into the ground quickly, saving installation costs.
- It maintains performance against tuberculation, corrosion and external galvanic soil conditions without lining wrapping, coating or cathodic protection.
- It keeps its smooth interior over long years of service with virtually no loss in carrying capacity, allowing for savings in pumping costs, as well as savings on the size of the pipe required.
- It can be connected directly to most plumbing and IPS fixtures without complicated procedures or adapters, as well as into CIOD fittings with adapters and/or transition gaskets.
- A cured joint of JM Eagle Solvent Weld schedule series pipe offers a zero-leak joint that is structurally sound.

Revised 3/2/2012. This information may have been updated. Please download the latest version at www.jmeagle.com/onesheets.



SOLVENT WELD

SCHEDULE SERIES

SUBMITTAL AND DATA SHEET

JM EAGLE™ PVC SCHEDULE 40

Specifications: ASTM D1785 & ASTM D2665 ::

Listed : ANSI/NSF-PW NSF-DWV
Standard 61, Standard 14

:: Standard Color: White, Standard Length 10' & 20',
Plain End and Belled End.

NOM. PIPE SIZE (IN)	O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	WATER PRESSURE RATING AT 23°C (73°F)	APPROX. WEIGHT (LBS/FT)
1/2	0.840	0.609	0.109	600	0.164
3/4	1.050	0.810	0.113	480	0.218
1	1.315	1.033	0.133	450	0.324
1 1/4	1.660	1.363	0.140	370	0.439
1 1/2	1.900	1.593	0.145	330	0.525
2	2.375	2.049	0.154	280	0.705
2 1/2	2.875	2.445	0.203	300	1.118
3	3.500	3.042	0.216	260	1.463
4	4.500	3.998	0.237	220	2.083
6	6.625	6.031	0.280	180	3.663
8	8.625	7.942	0.322	160	5.512
10	10.750	9.976	0.365	140	7.815
12	12.750	11.889	0.406	130	10.333
14	14.000	13.073	0.437	130	12.220
16	16.000	14.940	0.500	130	15.980

JM EAGLE™ PVC SCHEDULE 80 PIPE

Specifications: ASTM D1785 ::

Listed : ANSI/NSF-PW Standard 61, Standard 14

:: Standard Color: Dark Gray, Standard Length: 20'
overall, Plain End Only

† Available in Western Region Only.

I.D. : Inside Diameter

O.D. : Outside Diameter

T. : Wall Thickness

NOM. PIPE SIZE (IN)	O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	PRESSURE RATING (psi)	APPROX. WEIGHT (LBS/FT)
1/2	0.840	0.528	0.147	850	0.210
3/4	1.050	0.724	0.154	690	0.285
1	1.315	0.936	0.179	630	0.419
1 1/4	1.660	1.255	0.191	520	0.579
1 1/2	1.900	1.476	0.200	470	0.701
2	2.375	1.913	0.218	400	0.969
2 1/2	2.875	2.290	0.276	420	1.479
3	3.500	2.864	0.300	370	1.979
4	4.500	3.786	0.337	320	2.892
6	6.625	5.709	0.432	280	5.516
8	8.625	7.565	0.500	250	8.336
10 †	10.750	9.493	0.593	230	12.375
12 †	12.750	11.294	0.687	230	17.027

JM EAGLE™ SOLARBLOK UVR SCHEDULE 40 IPS SIZE

Specifications: ASTM D1785

Listed : ANSI/NSF 61

Pipe color is beige.

Pipe is produced with integral Solvent Weld bells.

Available in 20 foot lengths only.

PVC material is specially formulated to increase resistance to ultraviolet rays.

The material includes the maximum amount of titanium dioxide allowed by the PPI PVC Range Composition for pressure pipe applications.

NOM. PIPE SIZE (IN)	O.D. (IN)	APPROX. I. D. (IN)	MIN. T. (IN)	PRESSURE RATING (psi)	APPROX. WEIGHT (LBS/FT)
1/2	0.840	0.609	0.109	600	0.164
3/4	1,050	0.810	0.113	480	0.218
1	1.315	1.033	0.133	450	0.324
1 1/4	1.660	1.363	0.140	370	0.439
1 1/2	1.900	1.593	0.145	330	0.525
2	2.375	2.049	0.154	280	0.705
2 1/2	2.875	2.445	0.203	300	1.118
3	3.500	3.042	0.216	260	1.463
4	4.500	3.998	0.237	220	2.083