Installation Standard For PVC BUILDING DRAIN, WASTE AND VENT PIPE AND FITTINGS

IAPMO IS 9-2006

1.0 1.1	This installation standard shall apply to PVC building drain, waste, and vent systems as governed by the Uniform Plumbing Code. Material Standard ASTM D2665, "Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste and Vent Pipe and Fittings", shall form part of this installation standard. Installation, material and inspection shall comply with the current edition of the Uniform Plumbing Code [UPC] TM published by the International Association of Plumbing and Mechanical Officials and shall also comply with this standard.			1003.0 Traps Described 1101.3 Materials Uses Table 14-1 Pipe and Fittings ASTM D 2665 ASTM D 2122 ASTM D 3311
			ABBREV ASTM	/IATIONS American Society for Testing and
1.2			IAPMO	Materials International Association of Plumbing and Mechanical Officials
			UPC	Uniform Plumbing Code
			2.0 I 2.1 2.1.1	PRODUCT REQUIREMENTS Minimum Standards Pipe. PVC pipe markings shall be in
Note:	The Building Official shall be consulted about penetration of fire separations, height and area, or other limitations.		2.1.2	accordance with ASTM D2665. [UPC 301.1.2] Fittings. PVC fitting markings shall be in accordance with ASTM D2665 or ASTM
Note:	The following sections of the Uniform Plumbing Code apply.		2.1.3	D3311. [UPC 301.1.2] Solvent Cement. Solvent cement label
	101.4.1.1 103.5	Repair and Alterations Inspections		markings shall be in accordance with ASTM D2564.
	103.5.3 218.0	Testing of Systems Definition PVC	2.1.3.1	Solvent cements shall not be purple in color.
	301.1	Minimum Standards	2.1.4	Primers. Primer container markings shall be in accordance with F 656.
	311.8 310.0	Screwed Fittings Workmanship	2.1.4.1 2.2	Primer shall be purple. Workmanship
	311.0 313.0	Prohibited Fittings and Practices Protection of Piping, Materials,	2.2.1	Alignment All piping systems components shall be
	314.0	and Structures Hangers and Supports		aligned properly without strain. Pipe shall
	316.1.6	Type of Joints – Solvent Cement Plastic Pipe Joints		not be bent or pulled into position. Vertical piping shall be maintained in
	316.2	Special Joints		straight alignment between floors with midstory guides.
	316.3	Flanged Fixture Connections		Pipe and fittings shall be so positioned
	316.4	Prohibited Joints and Connections		that identifying markings shall be readily visible for inspection. [UPC 310.0]
	317.0	Increasers and Reducers		
	408.4 701.0	Closet Flanges Materials (Drainage)	2.3 2.3.1	Protection of Piping Storage
	707.1	Cleanout Fittings	2.3.1	Pipe and fittings should not be stored in
	903.0	Materials (Venting)		direct sunlight; however, exposure to sun-
	903.3	Straining or Bending Pipe		light during normal construction periods

¹ Although referenced in this standard, some of the fittings shown in the standard are not acceptable under the Uniform Plumbing Code.

² It is common practice to dual mark Schedule 40 DWV and potable water piping in which compliance with each applicable standard is met.