



Designation: **D-2564—96a 2564 – 02**

An American National Standard

Standard Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems¹

This standard is issued under the fixed designation D 2564; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers requirements for poly(vinyl chloride) (PVC) solvent cements to be used in joining poly(vinyl chloride) piping systems.

1.2 These solvent cements are used with poly(vinyl chloride) piping systems made from compounds as defined in Specifications D 1784, D 3915, and D 4396.

1.3 A procedure for joining PVC pipe and fittings is given in Practice D 2855.

1.4 The text of this specification references notes, footnotes, and appendixes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the specification.

1.5 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

1.6 The following safety hazards caveat pertains only to the test methods portion, Section 6, of this specification: *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

D 1084 Test Methods for Viscosity of Adhesives²

D 1600 Terminology for Abbreviated Terms Relating to Plastics³

D 1784 Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds³

D 1785 Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120⁴

D 2467 Specification for Socket-Type Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80⁴

D 2855 Practice for Making Solvent-Cemented Joints with Poly(Vinyl Chloride) (PVC) Pipe and Fittings⁴

D 3915 Specification for Poly(Vinyl Chloride) (PVC) and Related Plastic Pipe and Fitting Compounds for Pressure Applications⁵

D 4396 Specification for Rigid Poly(Vinyl Chloride) (PVC) and Related Plastic Compounds for Non-Pressure Piping Products⁶

F 402 Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings⁴

F 412 Terminology Relating to Plastic Piping Systems⁴

F 493 Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings⁴

2.2 National Sanitation Foundation Standards:

Standard No. 14 for Plastic Piping Components and Related Materials⁷

Standard No. 61 for Drinking Water Systems Components—Health Effects⁷

¹ This specification is under the jurisdiction of ASTM Committee F17 on Plastic Piping Systems and is the direct responsibility of Subcommittee F17.20 on Joining. Current edition approved Sept. 10, 1996; 2002. Published November 1996; October 2002. Originally published as D2564 – 66 T. Last previous edition D2564 – 96a.

² Annual Book of ASTM Standards, Vol 15.06.

³ Annual Book of ASTM Standards, Vol 08.01.

⁴ Annual Book of ASTM Standards, Vol 08.04.

⁵ Annual Book of ASTM Standards, Vol 08.02.

⁶ Annual Book of ASTM Standards, Vol 08.03.

⁷ Available from the National Sanitation Foundation, P.O. Box 1468, Ann Arbor, MI 48106.