



Designation: D907 – 15 (Reapproved 2023)

## Standard Terminology of Adhesives<sup>1</sup>

This standard is issued under the fixed designation D907; 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.

### 1. Scope

1.1 This terminology standard is a compilation of definitions used in the science and technology of the adhesives industry. Terms that are generally understood or adequately defined in other readily available sources are not included.

1.2 Any changes in this standard since 1988 are documented as follows:

1.2.1 **Appendix X1** gives a history of revisions made since 1988. **Table X1.1** lists the terms that are affected as: (1) Terms Added, (2) Terms Revised, and (3) Terms Deleted.

1.2.1.1 In **Table X1.1**, the year of publication in Volume 15.06 is shown in parentheses following the term.

1.2.2 In the text of the standard, the year of publication is shown following each definition. Also, the following codes are included after the year of publication to describe the type change that was made: (A) Addition, (R) Revision, or (E) Edited.

1.2.3 Deletions are shown in **Appendix X1**, suitably footnoted. The deleted terms do not appear in the text of the standard.

1.2.4 Any special circumstances not covered by 1.2.2 and 1.2.3 are documented in **Table X1.1**, suitably footnoted.

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

### 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

**D618 Practice for Conditioning Plastics for Testing**

**D2849 Methods of Testing Urethane Foam Polyol Raw**

<sup>1</sup> This terminology is under the jurisdiction of ASTM Committee **D14** on Adhesives and is the direct responsibility of Subcommittee **D14.04** on Terminology.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

**Materials** (Withdrawn 1987)<sup>3</sup>

**D2507 Terminology of Rheological Properties of Gelled Rocket Propellants** (Withdrawn 2003)<sup>3</sup>

**D2990 Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics**

**D3983 Test Method for Measuring Strength and Shear Modulus of Nonrigid Adhesives by the Thick-Adherend Tensile-Lap Specimen**

**D4027 Test Method for Measuring Shear Properties of Structural Adhesives by the Modified-Rail Test**

**D4317 Specification for Polyvinyl Acetate-Based Emulsion Adhesives**

**D4499 Test Method for Heat Stability of Hot-Melt Adhesives** (Withdrawn 2021)<sup>3</sup>

**D4680 Test Method for Creep and Time to Failure of Adhesives in Static Shear by Compression Loading (Wood-to-Wood)**

**D5266 Practice for Estimating the Percentage of Wood Failure in Adhesive Bonded Joints**

**E6 Terminology Relating to Methods of Mechanical Testing**

### 3. Terminology

**acceptance test**, *n*—a test, or series of tests conducted by the procuring agency, or an agent thereof, upon receipt to determine whether an individual lot of materials conforms to the purchase order or contract or to determine the degree of uniformity of the material supplied by the vendor, or both. (Compare **preproduction test** and **qualification test**.)

**acid number**, *n*—the quantity of base, expressed in milligrams of potassium hydroxide, that is required to titrate acidic constituents present in 1 g of sample. (1992) (A) **D2849, D20**

**adhere**, *v*—to cause two surfaces to be held together by adhesion.

**adherend**, *n*—a body held to another body by an adhesive.

**adherend preparation**, *n*—see **surface preparation**.

**adhesion**, *n*—the state in which two surfaces are held together by interphase forces.

<sup>3</sup> The last approved version of this historical standard is referenced on [www.astm.org](http://www.astm.org).