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Designation: D 3679 – 01

An American National Standard

Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding[1]

This standard is issued under the fixed designation D 3679; 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 specification establishes requirements and test methods for the materials, dimensions, warp, shrinkage, impact strength, expansion, appearance, and windload resistance of extruded single-wall siding manufactured from rigid (unplasticized) PVC compound. Methods of indicating compliance with this specification are also provided.

1.2 Rigid PVC recycled plastic may be used in this product in accordance with the requirements in Section 4.

1.3 Nonmandatory color-hold guidelines are provided in Appendix X1 for manufacturer's product development and quality performance use only.

1.4 Rigid (unplasticized) PVC soffit is covered in Specification D 4477.

1.5 Siding produced to this specification shall be installed in accordance with Practice D 4756. Reference shall also be made to the manufacturer's installation instructions for the specific product to be installed.

NOTE 1—Information with regard to siding maintenance shall be obtained from the manufacturer.

NOTE 2—Siding color-hold guidelines are for dark gray-blue, light-gray blue, green, dark beige, light beige, gold, yellow, white, and gray regions. Additional colors will be added and color-hold guidelines refined as weathering program data is developed.[2]

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

1.7 The following precautionary caveat pertains to the test method portion only, 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.*

NOTE 3—There are no ISO standards covering the primary subject matter of this specification.

2. Referenced Documents

2.1 *ASTM Standards:*

D 256 Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics[3]

D 374 Test Methods for Thickness of Solid Electrical Insulation[4]

D 523 Test Method for Specular Gloss[5]

D 618 Practice for Conditioning Plastics for Testing[3]

D 635 Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position[3]

D 696 Test Method for Coefficient of Linear Expansion of Plastics Between -30°C and 30°C[3]

D 883 Terminology Relating to Plastics[3]

D 1042 Test Method for Linear Dimensional Changes of Plastics Under Accelerated Service Conditions[3]

D 1435 Practice for Outdoor Weathering of Plastics[3]

D 1600 Terminology for Abbreviated Terms Relating to Plastics[3]

D 1898 Practice for Sampling of Plastics[3]

D 2244 Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates[5]

D 3892 Practice for Packaging/Packing of Plastics[6]

D 4216 Specification for Rigid Poly(Vinyl Chloride) (PVC) and Related PVC and Chlorinated Poly(Vinyl Chloride) (CPVC) Building Products[7]

D 4226 Test Methods for Impact Resistance of Rigid Poly-(Vinyl Chloride) (PVC) Building Products[8]

D 4477 Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit[8]

D 4756 Practice for the Installation of Rigid Poly(Vinyl Chloride) (PVC) Siding and Soffit[8]

D 5033 Guide for the Development of Standards Relating to the Proper Use of Recycled Plastics[6]

D 5206 Test Method for the Windload Resistance of Rigid Poly(Vinyl Chloride) (PVC) Siding[8]

E 631 Terminology of Building Construction[9]

[1] This specification is under the jurisdiction of ASTM Committee D20 on Plastics and is the direct responsibility of Subcommittee D20.24 on Plastic Building Products.

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[2] Refer to ASTM Research Report RR:D20-1144. Available from ASTM Headquarters.

[3] *Annual Book of ASTM Standards*, Vol 08.01.

[4] *Annual Book of ASTM Standards*, Vol 10.01.

[5] *Annual Book of ASTM Standards*, Vol 06.01.

[6] *Annual Book of ASTM Standards*, Vol 08.03.

[7] *Annual Book of ASTM Standards*, Vol 08.02.

[8] *Annual Book of ASTM Standards*, Vol 08.04.

[9] *Annual Book of ASTM Standards*, Vol 04.11.

***A Summary of Changes section appears at the end of this standard.**

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