



Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding with Foam Plastic Backing (Backed Vinyl Siding)¹

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1. Scope

1.1 This specification establishes requirements for vinyl siding with integral foam plastic backing, where the siding is manufactured from rigid PVC compound. Performance requirements and test methods addressed by this standard include materials properties and dimensions, warp, shrinkage, impact strength, expansion, appearance, and windload resistance. Methods of indicating compliance with this specification are also provided.

NOTE 1—Backed vinyl siding is composed of two major components: the siding and the backing. It is intended that the siding portion comply with Specification D3679. Applicable portions of Specification D3679 are included in this specification. Additional requirements that pertain only to the backing as a separate material, or to the combination of siding and backing as a whole, are also included.

1.2 Backed vinyl siding shall be tested with the backing material in place or removed, as specified in the applicable requirement or test method.

1.3 The use of PVC recycled plastic in this product shall be in accordance with the requirements in Section 4.

1.4 Rigid PVC soffit is covered in Specification D4477.

1.5 Siding produced to this specification shall be installed in accordance with Practice D4756. Reference shall also be made to the manufacturer's installation instructions for the specific product to be installed.

NOTE 2—Information with regard to siding maintenance shall be obtained from the manufacturer.

1.6 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.7 *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 appro-*

priate safety and health practices and determine the applicability of regulatory limitations prior to use.

NOTE 3—There is no known ISO equivalent to this standard.

2. Referenced Documents

2.1 ASTM Standards:²

- D618 Practice for Conditioning Plastics for Testing
- D635 Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
- D696 Test Method for Coefficient of Linear Thermal Expansion of Plastics Between –30°C and 30°C with a Vitreous Silica Dilatometer
- D883 Terminology Relating to Plastics
- D1042 Test Method for Linear Dimensional Changes of Plastics Under Accelerated Service Conditions
- D1435 Practice for Outdoor Weathering of Plastics
- D1600 Terminology for Abbreviated Terms Relating to Plastics
- D2244 Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
- D2457 Test Method for Specular Gloss of Plastic Films and Solid Plastics
- D3679 Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding
- D3892 Practice for Packaging/Packing of Plastics
- D4226 Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC) Building Products
- D4477 Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit
- D4756 Practice for Installation of Rigid Poly(Vinyl Chloride) (PVC) Siding and Soffit
- D5206 Test Method for Windload Resistance of Rigid Plastic Siding
- D5947 Test Methods for Physical Dimensions of Solid Plastics Specimens
- D7209 Guide for Waste Reduction, Resource Recovery, and

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 For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.