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.

Designation: D7254 – 17

An American National Standard

Standard Specification for Polypropylene (PP) Siding[1]

This standard is issued under the fixed designation D7254; 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 materials, impact strength, appearance, surface flame spread, and wind load resistance of siding products manufactured from polypropylene material. Methods of indicating compliance with this specification are also provided.

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

1.3 Siding produced to this specification shall be installed in accordance with 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.

1.4 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.

1.5 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 2—There is no known ISO equivalent to this standard.

1.6 *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:*[2]

D883 Terminology Relating to Plastics

D1435 Practice for Outdoor Weathering of Plastics

D1600 Terminology for Abbreviated Terms Relating to Plastics

D3679 Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding

D3892 Practice for Packaging/Packing of Plastics

D4101 Specification for Polypropylene Injection and Extrusion Materials

D4226 Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC) Building Products

D5033 Guide for Development of ASTM Standards Relating to Recycling and Use of Recycled Plastics (Withdrawn 2007)[3]

D5206 Test Method for Windload Resistance of Rigid Plastic Siding

E84 Test Method for Surface Burning Characteristics of Building Materials

E631 Terminology of Building Constructions

G147 Practice for Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests

2.2 *ASCE Standard:*[4]

ASCE 7-10 Minimum Design Loads for Buildings and Other Structures

2.3 *International Code Council:*[5]

International Building Code

International Residential Code

2.4 *Vinyl Siding Institute, Inc.*[6]

VSI Vinyl Siding Installation Manual (2015)

2.5 *Structural Building Components Association:*[7]

ANSI/SBCA FS 100-2012 Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies

3. Terminology

3.1 Definitions are in accordance with Terminologies D883, D1600, and E631, unless otherwise specified.

[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.

[3] The last approved version of this historical standard is referenced on www.astm.org.

[4] Available from American Society of Civil Engineers (ASCE), 1801 Alexander Bell Dr., Reston, VA 20191.

[5] Available from International Code Council (ICC), 500 New Jersey Ave., NW, 6th Floor, Washington, DC 20001, http://www.iccsafe.org.

[6] National Housing Center, 1201 15th Street NW, Suite 220, Washington, DC 20005, http://www.vinylsiding.org

[7] 6300 Enterprise Lane, Madison, WI 53719, http://www.sbcindustry.com

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

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