



Standard Specification for Manufactured Polymeric Drainage and Ventilation Materials Used to Provide a Rainscreen Function¹

This standard is issued under the fixed designation E2925; 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 is applicable to manufactured polymeric materials used to provide a rainscreen function, a means for the drainage of liquid moisture and the ventilation of vapor moisture that enters an above-grade exterior wall assembly. Rainscreen materials that comply with this specification are intended to be used behind exterior cladding products and intended to cover one hundred percent (100 %) of the wall area that is designed to provide a rainscreen function to resist water infiltration.

1.2 This specification addresses the following types of rainscreen materials:

- 1.2.1 *Type A*—entangled mesh materials.
- 1.2.2 *Type B*—formed/textured sheet material.
- 1.2.3 *Type C*—formed battens.

1.3 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.4 *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:²

- C578** Specification for Rigid, Cellular Polystyrene Thermal Insulation
- C1338** Test Method for Determining Fungi Resistance of Insulation Materials and Facings
- D3045** Practice for Heat Aging of Plastics Without Load
- D5199** Test Method for Measuring the Nominal Thickness of Geosynthetics

¹ This specification is under the jurisdiction of ASTM Committee E06 on Performance of Buildings and is the direct responsibility of Subcommittee E06.55 on Performance of Building Enclosures.

Current edition approved June 1, 2014. Published June 2014. DOI: 10.1520/E2925-14

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.

- D5322** Practice for Laboratory Immersion Procedures for Evaluating the Chemical Resistance of Geosynthetics to Liquids
 - D6108** Test Method for Compressive Properties of Plastic Lumber and Shapes
 - D6364** Test Method for Determining Short-Term Compression Behavior of Geosynthetics
 - E84** Test Method for Surface Burning Characteristics of Building Materials
 - E283** Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
 - E631** Terminology of Building Constructions
 - E2273** Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
 - E2556/E2556M** Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment
 - G154** Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials
- 2.2 *Other Standard:*³
- CAN/CGSB 51.33-M89** Vapor Barrier Sheet, Excluding Polyethylene, for Use in Building Construction

3. Terminology

3.1 *Definitions*—For definitions of general terms related to building construction used in this specification, refer to Terminology **E631**.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *capillary action, v*—liquid water movement against gravity induced by the force of molecular attraction (surface tension) between the water and the material it contacts, facilitated by a small gap between materials.

3.2.2 *exterior cladding, n*—weather-exposed materials of a wall assembly including but not limited to siding, stucco, masonry veneer, but excluding fenestration (doors and windows).

³ Available from Canadian General Standards Board, Place du Portage III, 6B1, 11 Laurier Street, Gatineau, Quebec K1A 1G6 Canada, <http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb>.