



Designation: ~~D7008 – 08 (Reapproved 2013)~~ **D7008 – 08 (Reapproved 2018)**

Standard Specification for Geosynthetic Alternate Daily Covers¹

This standard is issued under the fixed designation D7008; 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 covers the requirements for reusable and nonreusable geosynthetic alternate daily covers (ADCs) used on the working face of municipal solid waste landfills (MSWLF). Geosynthetic ADCs include a wide range of products including, but not limited to, reinforced film, unreinforced film, reinforced sheet, unreinforced sheet, coated geotextile, and uncoated geotextile.

1.2 This standard addresses the base ADC materials and does not address grommets, straps, or other fabricated parts.

1.3 The values stated in SI units are to be regarded as the 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 *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

[D882 Test Method for Tensile Properties of Thin Plastic Sheeting](#)

[D1004 Test Method for Tear Resistance \(Graves Tear\) of Plastic Film and Sheeting](#)

[D4355/D4355M Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc-Type Apparatus](#)

[D4439 Terminology for Geosynthetics](#)

[D4533/D4533M Test Method for Trapezoid Tearing Strength of Geotextiles](#)

[D4632/D4632M Test Method for Grab Breaking Load and Elongation of Geotextiles](#)

[D4833/D4833M Test Method for Index Puncture Resistance of Geomembranes and Related Products](#)

[E96/E96M Test Methods for Water Vapor Transmission of Materials](#)

2.2 Other Standards:

[National Fire Protection Association \(NFPA\) 701 Standard Methods of Fire Tests for Flame Propagation of Textiles](#)

[Geosynthetic Research Institute \(GRI\) Specification GM11 Accelerated Weathering of Geomembranes using a Fluorescent UVA-Condensation Exposure Device](#)

3. Terminology

3.1 *Definitions*—For definitions of terms related to geosynthetics, refer to Terminology [D4439](#).

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *alternate daily cover, n*—an alternative to the traditional ~~15-cm (6 in.)~~ **15-cm (6-in.)** soil cover required by the USEPA for landfill working faces to “control disease vectors, fires, odors, blowing litter, and scavenging, without presenting a threat to human health and the environment.”

¹ This specification is under the jurisdiction of ASTM Committee [D35](#) on Geosynthetics and is the direct responsibility of Subcommittee [D35.06](#) on Geosynthetic Specifications.

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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.