



Designation: **D5888 – 06 (Reapproved 2016) D5888 – 19**

Standard Guide for Storage and Handling of Geosynthetic Clay Liners¹

This standard is issued under the fixed designation D5888; 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 guide covers guidelines for the proper storage and handling of geosynthetic clay liners received at the job site by the end user.

1.2 This guide contains general guidelines and is not intended to replace project-specific requirements as found in the contract drawings or specifications. In the event of a conflict, the requirements of the project specifications will supersede the requirements of this practice guide.

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

1.4 This guide offers an organized collection of information or a series of options and does not recommend a specific course of action. This document cannot replace education or experience and should be used in conjunction with professional judgement. Not all aspects of this guide may be applicable in all circumstances. This ASTM standard is not intended to represent or replace the standard of care by which the adequacy of a given professional service must be judged, nor should this document be applied without consideration of a project's many unique aspects. The word "standard" in the title of this document means only that the document has been approved through the ASTM consensus process.
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1.5 *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.*

1.6 *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
[D4439 Terminology for Geosynthetics](#)

3. Terminology

3.1 Definitions:

3.1.1 *core pipe, n*—a rigid pipe or rod inserted through the core of a GCL roll. Each end of the pipe is connected to a chain or lifting strap which attaches to equipment for GCL unloading, on-site handling, and installation.

3.1.2 *geosynthetic clay liner (GCL), n*—a manufactured hydraulic barrier consisting of clay bonded to a layer or layers of geosynthetics.

¹ This guide is under the jurisdiction of ASTM Committee D35 on Geosynthetics and is the direct responsibility of Subcommittee D35.04 on Geosynthetic Clay Liners. Current edition approved June 1, 2016/May 1, 2019. Published June 2016/May 2019. Originally approved in 1995. Last previous edition approved in 2014/2016 as D5888 – 06 (2016). DOI: 10.1520/D5888-06R16.10.1520/D5888-19.

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.