

GEOFOAM NO. 5003

SUBJECT: UNDERSTANDING ASTM D7180 - STANDARD GUIDE FOR USE OF EXPANDED POLYSTYRENE (EPS) GEOFOAM IN GEOTECHNICAL PROJECTS

DATE: SEPTEMBER 2005 (REVISED JANUARY 2019)

R-Shield® Geofoam is manufactured in conformance to ASTM D6817, “Standard Specification for Rigid Cellular Polystyrene Geofoam”. This standard covers the material properties for Geofoam but does not provide any guidance on the use of Geofoam.

In order to provide this important design guidance, ASTM has created a baseline of information that is relevant to the use of Geofoam and has published a new ASTM standard guide. ASTM D7180, “Standard Guide for Use of Expanded Polystyrene (EPS) Geofoam in Geotechnical Projects” gives guidance to the engineering community for the use of Geofoam.

Excerpt from ASTM D7180

1. Scope

1.1 This guide covers some of the basic considerations for the use of expanded polystyrene (EPS) geofoam in geotechnical projects.

1.2 This guide offers a collection of information and does not recommend a course of action. This guide cannot replace education or experience and should be used in conjunction with professional judgment. Not all aspects of this guide may be applicable in all circumstances.

1.3 This guide 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 guide be applied without consideration of a project's many unique aspects.

1.4 The word “standard” in the title of this guide means only that this guide has been approved through the ASTM International consensus process.

1.5 The values given in SI units are to be regarded as the standard. The values in parentheses are for information only.

1.6 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.

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