

GEOFOAM NO. 5005

SUBJECT: GEOFOAM TESTING FREQUENCY: ASTM D7557

DATE: AUGUST 2009 (REVISED JANUARY 2019)

R-Shield® Geofoam has long supported the ongoing testing of Geofoam samples in accordance with ASTM D6817, “Standard Specification for Rigid Cellular Polystyrene Geofoam”, to ensure specified performance. ASTM D6817 provides the minimum requirements for meeting specific properties, such as compressive resistance and density. However, ASTM D6817 provides no guidance on the frequency of testing of Geofoam samples to ensure ongoing compliance with the specified minimum properties.

A new standard, ASTM D7557, “Standard Practice for Sampling of Expanded Polystyrene Geofoam Specimens”, has been published to provide guidance on the recommended testing frequency for Geofoam. The Standard Practice provides guidance on the location, frequency, and method of sampling representative specimens from large blocks of Geofoam. The key item included in ASTM D7557 is the frequency of the testing. The table below shows testing schedule when following ASTM D7557.

R-SHIELD GEOFOAM SAMPLING FREQUENCY		
Initial Sample	Ongoing Sample	
1 block from first lot	1 block per each 500 m ³ (650 yd ³) for first 2,000 m ³ (2600 yd ³)	1 block per each 2,000 m ³ (2600 yd ³) thereafter

R-Shield supports the ongoing testing of Geofoam in accordance with the frequency specified in ASTM D7557 to ensure ongoing compliance with ASTM D6817.