

This ClosureTurf® Specification document has been prepared to provide the Owner, Design Engineer, Construction Quality Assurance Professional of Record, and the Contractor / Installer with a general guidance specification. All information, recommendations and suggestions appearing in this specification concerning the use of our products are based upon experience, tests and data believed to be reliable; however, this information should not be used or relied upon for any specific application without independent professional examination and verification of its accuracy, suitability and applicability. The independent professional shall edit this document to suit the site-specific project design criteria. Since the actual use by others is beyond our control, no guarantee or warranty of any kind, expressed or implied, is made by Watershed Geosynthetics LLC as to the effects of such use or the results to be obtained, nor does Watershed Geosynthetics LLC assume any liability in connection herewith. Any statement made herein may not be absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. ClosureTurf® is a U.S. registered trademark which designates a product from Watershed Geosynthetics LLC. This product is the subject of issued U.S. and foreign patents and/or pending U.S. and foreign patent applications. Nothing herein is to be construed as permission to grant license or as a recommendation to infringe any patent.

SECTION 31 05 16

ClosureTurf® SAND INFILL COMPONENT

PART 1: GENERAL

1.01 SUMMARY

A. Section Includes:

Specifications for approved Sand Infill Component of the patented ClosureTurf® System.

1.02 RELATED SECTIONS

- Section 31 23 13** - Subgrade preparation (Upper 6 inches of subgrade only)
- Section 01 42 00** - References and Definitions
- Section 01 60 00** - ClosureTurf® Product Specification
- Section 01 60 00** - ClosureTurf® MicroDrain® Product Specification
- Section 01 60 01** - ClosureTurf® MicroSpike® Product Specification
- Section 01 73 19** - ClosureTurf® Installation Specification
- Section 31 05 16** - ClosureTurf® Sand Infill Specification
- Section 03 49 01** - Alternate HydroBinder® Infill Specification
- Section 23 51 23** - ClosureTurf® HDPE Pressure Relief Valve Specification

PART 2: PRODUCTS

2.01 DESCRIPTION

Sand Infill Component of the ClosureTurf® System shall meet the fine aggregate angularity, specific gravity and grain size distribution as specified by WatershedGeo in this Specification.

- A. Fine aggregate angularity shall be tested in accordance with ASTM C 1252 / AASHTO T 304, *Standard Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading). Method A*. Method A uncompacted void content shall be greater than or equal to 40%.
- B. Sand infill specific gravity shall be tested in accordance with ASTM C 128 / AASHTO T 84, *Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate*. Bulk oven-dry specific gravity shall be greater than or equal to 2.40.
- C. Sand infill grain size distribution shall be tested in accordance with ASTM C 136 / AASHTO T 27, *Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates*. The grain size distribution shall be as prescribed in Table 1 and presented in Figure 1.

Table 1. Sand Infill Grain Size Distribution

		3/8" (9.5 mm)	≤	100%
90%	≤	#4 (4.75 mm)	≤	100%
50%	≤	#8 (2.36 mm)	≤	85%
25%	≤	#16 (1.18 mm)	≤	65%
10%	≤	#30 (0.60 mm)	≤	45%
0	≤	#50 (0.30 mm)	≤	30%
0	≤	#100 (0.15 mm)	≤	10%
0	≤	#200 (0.075 mm)	≤	5%

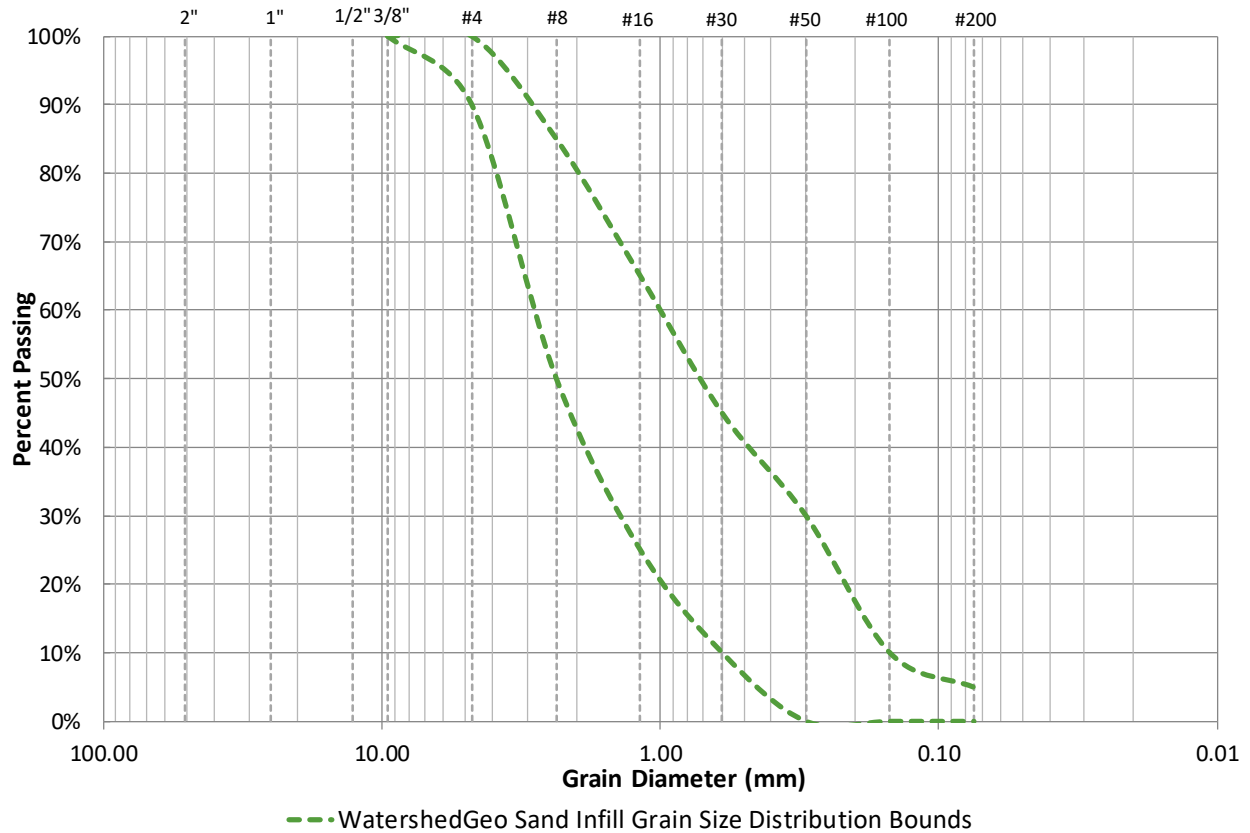


Figure 1: ClosureTurf® Specified Infill Grain Size Distribution

- D. Documentation of sand infill conformance with ASTM C 136 / AASHTO T 27, ASTM C 128 / AASHTO T 84 and ASTM C 1252 / AASHTO T 304 shall be submitted to the specified CQA personnel.
- E. Subsequent to initial verification of specification conformance, sand infill shall have grain size distribution conformance verified and documented for each 175 cubic yards to be installed.

PART 3: EXECUTION:

Not Used. See Section 01 73 19 ClosureTurf® Installation Specifications.

END OF SECTION