

HANCOR GRAVELLESS PIPE SPECIFICATIONS

Scope

This specification describes Hancor Gravelless pipe available in 8- and 10-inch (200 and 250 mm) diameters for use in on-site waste disposal applications.

Pipe Requirements

Hancor Gravelless pipe shall meet the requirements of ASTM F667 and SCS606. It shall have a corrugated interior and corrugated exterior. There shall be 3/8 inch (9.5 mm) to 1/2 inch (12.7 mm) holes 120 degrees apart staggered one hole per corrugation on the length of the pipe. The 8-inch (200 mm) pipe shall have 2.65 square inches per foot of open area while the 10-inch (250 mm) pipe shall have 2.95 square inches of open area per foot. The pipe shall be supplied with a pre-installed filter fabric. Conforming to ASTM F667 specifications, the pipe stiffness at 5% deflection shall be 30 psi (210 kpa) and the impact resistance shall be 27.5ft. lbs. (37.3 N m) at 25 degrees F.

Joint Performance

Pipe shall be joined with internal or external couplers, or coupling bands covering at least two full corrugations on each end of the pipe.

Fittings

Fittings shall conform to ASTM F667.

Material Properties

Pipe material shall be high density polyethylene conforming with the minimum requirements of cell classification 424410C as defined and described in ASTM D3350-04 (324410C as defined and described in ASTM D3350-00); or ASTM D1248 Type III, Class C, Category 4, Grade P33.

Filter material shall be nonwoven spunbonded nylon. The material shall be a white monofilament with a fiber size of 4.5 denier per filament. The material shall be 0.0033 inches thick with a minimum Mullen Burst (ASTM D3786) of 16.3psi and Grab Strengths (ASTM D5034, D1117) in the machine direction and traverse direction 16.4lbs and 9.7lbs respectively. The material shall have an AOS (U.S. sieve) rating of 50 with an air permeability of 949 cfm per square foot (ASTM D737).

Installation

Installation shall be in accordance with Hancor published installation instructions or those issued by a local health department.

