TerraVent™
Low-Profile Contaminant Vapor Venting System

Technical Data Sheet

Description

TerraVent™ is a low-profile, trenchless, flexible, sub-slab vapor collection system used in lieu of perforated piping. It is installed below a contaminant vapor barrier system to relieve contaminant vapor accumulation. TerraVent consists of a heavy duty three-dimensional, high flow, polypropylene dimpled core. The core is then wrapped and bonded with a non-woven geotextile to prevent soil, sand or gravel from passing into the dimple core. TerraVent core is made from 100% Post-Industrial/ Pre-Consumer polypropylene regrind material.

Installation

Please refer to manufacturer specifications for all installation requirements. TerraVent is compatible with all Land Science contaminant vapor barrier systems and is installed directly below the base layer of the system.

Subgrade surface should be prepared according to project requirements. TerraVent is installed with the dimple side facing down. Auxiliary materials used with TerraVent include TerraVent End Outlets and Reinforced Fabric Tape, as well as vent risers per project specifications.

Packaging and Availability

Property	Value
Dimensions	12” x 165’
Weight	68 lbs.

Contact Land Science for authorized applicators.

TerraVent Core Properties

Property	Test Method	Typical Value
Thickness	-	1 inch
Compressive Strength	ASTM D-1621	9,500 psf.
Flow Rate (Hydraulic Gradient =0.1)	ASTM D-4716	30 gpm/ft width

TerraVent Fabric Properties

Property	Test Method	Typical Value
Grab Tensile Strength	ASTM D-4632	100 lbs.
CBR Puncture	ASTM D-6241	250 lbs.
Flow Rate (Hydraulic Gradient =0.1)	ASTM D-4491	140 gpm/ft^2
AOS	ASTM D-4751	70 U.S. Sieve
Permittivity	ASTM D-4491	2.0 sec^{-1}
U.V. Resistance	ASTM D-4355	70% @ 500 hrs.

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