

Description

Land Science Bond™ is an 18-mil, reinforced polyethylene composite geomembrane used as a top layer, protection course in the Nitra-Seal® contaminant vapor barrier system. Designed to be protective and robust, Land Science Bond employs a 5 mil layer of polyethylene for additional chemical resistance in the Nitra-Seal system and is strengthened with a laminated geotextile. Land Science Bond is installed over the Nitra-Core™ layer to complete the barrier and mechanically bond the Nitra-Seal system to the concrete slab.

Installation

Please refer to manufacturer specifications for all installation requirements. Land Science Bond is installed as the top layer of the Nitra-Seal vapor barrier system, atop the Nitra-Base+™ and Nitra-Core layers.

Land Science Bond is installed over the nominally cured Nitra-Core layer with the geotextile facing up, and the seams are overlapped a minimum of 6”.



Packaging and Availability

Property	Value
Dimension	8.5' x 150' rolls
Weight	85 lbs

Contact Land Science for a list of certified applicators.

Land Science Bond Properties

Property	Test Method	Typical Value
Film Material	-	PE
Reinforcement Grid	-	-
Geotextile material	-	PP
Color	-	Gray/White
Weight	-	6.8 oz/sy
Composite Thickness	ASTM D5199	18 mil
Film Thickness	ASTM D5199	5 mil
Tensile Strength ¹	ASTM D751	170 lbs
Elongation ¹	ASTM D751	65%
Puncture Resistance	ASTM D4833	61 lbf
Tear Resistance ¹	ASTM D751	33 lbf

1. Values are an average of the machine direction and the transverse direction test results.