

Land Science Bond™ Technical Data Sheet



Land Science Bond is comprised of a gray high strength HDPE membrane that is thermally bonded to a polypropylene geotextile. Land Science Bond layer is installed as a protection course over the Nitra-Core layers with the geotextile side facing up. The Land Science Bond layer also provide an excellent substrate and friction surface for concrete to adhere to.

Land Science Bond General Properties

Properties	Test Method	Land Science Bond
Film Thickness		18 mil
Color		Gray HDPE - White Geotextile
Weight	ASTM D751 - 06	6.76 oz/yd ²
Tensile Strength (Grab)	ASTM D751 - 06	CD - 186.8 lbf. MD - 153.4 lbf.
Tear Strength (Trapezoidal)	ASTM D751 - 06	CD - 36.7 lbf. MD - 28 lbf.
Puncture Resistance	ASTM D4833 - 07	61.2 lbf.
Life Expectancy	ASTM E 154 - 93	Indefinite
Elongation	ASTM D751 - 06	CD - 72.1% MD - 49.6%
Chemical Resistance		Excellent
Packaging		102" x 150' Roll