

Description

Nitra-Base+™ is a 22-mil reinforced polyethylene geocomposite membrane used as the base layer in Nitra-Seal® contaminant vapor intrusion barriers. Nitra-Base+ employs a layer of polyethylene for chemical resistance and is strengthened with the inclusion of a reinforcing grid and a bonded geotextile. The flexibility of Nitra-Base+ allows for easy installation at a wide range of sites. Nitra-Base+ is installed using Nitra-Core™, a nitrile-modified asphalt, to secure seams, terminations, and around penetrations.

Installation

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

Subgrade surface should be compacted to local building code requirements. Remove any materials that may puncture Nitra-Base.

Nitra-Base+ is installed with the geotextile facing down, and the seams are overlapped a minimum of 6" with 60 mil of Nitra-Core applied between the overlapped sheets. Ensure any ponding water or dirt is removed prior to applying Nitra-Core to Nitra-Base.



Packaging and Availability

Property	Value
Dimensions	9.84' x 164' rolls
Weight	106 lbs.

Contact Land Science for a list of certified applicators.

Nitra-Base+ Properties

Property	Test Method	Typical Value
Film Material	-	PE
Reinforcement Grid	-	PP
Geotextile material	-	PP
Color	-	White/White
Weight	-	9.4 oz/sy
Composite Thickness	ASTM D5199	22 mil
Film thickness	ASTM D5199	15 mil
Tensile Strength ¹	ASTM D751	119 lbs
	ASTM D7004	114 lbs
Elongation ¹	ASTM D751	14%
	ASTM D7004	15%
Puncture Resistance	ASTM D4833	45 lbs
	ASTM D1709-A	440 g
Tear Resistance ¹	ASTM D5884	45 lbs.

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