

## Description

TerraBase+<sup>TM</sup> is a 25-mil geocomposite membrane used as the base layer in the TerraShield<sup>®</sup> contaminant vapor intrusion barrier. TerraBase+ employs a metalized layer to provide the highest level of protection from organic contaminant permeation. The metalized film is protected through complete encapsulation by polyethylene layers and is strengthened with the inclusion of a reinforcing grid and a bonded geotextile. The flexibility of TerraBase+ allows for easy installation at a wide range of sites.

## Installation

Please refer to manufacturer specifications for all installation requirements. TerraBase+ is installed as the base layer of the TerraShield vapor barrier system along with Nitra-Core<sup>TM</sup> and Land Science Protection Fabric<sup>TM</sup>.

Subgrade surface should be compacted to local building code requirements. Remove any materials that may puncture TerraBase+.

TerraBase+ 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 TerraBase+.



## Packaging and Availability

Property	Value
<b>Dimensions</b>	6.56' x 164' rolls
<b>Weight</b>	65 lbs.

Contact Land Science for a list of certified applicators.

## TerraBase+ Properties

Property	Test Method	Typical Value
<b>Membrane Material</b>	-	PE/metalized film/PE
<b>Reinforcement Grid</b>	-	PP
<b>Geotextile material</b>	-	PP
<b>Color</b>	-	Blue/White
<b>Weight</b>	-	8.6 oz/sy
<b>Composite Thickness</b>	ASTM D5199	25 mil
<b>Membrane thickness</b>	ASTM D5199	15 mil
<b>Tensile Strength<sup>1</sup></b>	ASTM D751	129 lbs
	ASTM D7004	136 lbs
<b>Elongation<sup>1</sup></b>	ASTM D751	26%
	ASTM D7004	28%
<b>Puncture Resistance</b>	ASTM D4833	47 lbs
<b>Tear Resistance<sup>1</sup></b>	ASTM D5884	28 lbs

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