

Description

Nitra-Core™ is a patent-pending, spray-applied nitrile-modified asphalt used in all of Land Science's contaminant vapor barrier systems to seal seams, penetrations, and perimeter terminations. For some systems, it is also sprayed across the entirety of the base layer, providing a seamless, monolithic layer in the barrier system for added strength and chemical resistance. The use of nitrile latex in the asphalt formulation provides up to 10x more protection against vapor contaminants than other polymer-modified asphalts available. Nitra-Core allows for fast installation of barriers, relative to taped seam systems, and has exceptional bonding to a wide variety of substrates and uneven surfaces. The Nitra-Core formulation requires only soap and water for daily cleaning of equipment.

Installation

Please refer to manufacturer specifications for all installation requirements. Nitra-Core drums or totes must be mechanically stirred prior to use.

Nitra-Core must be sprayed to the specified mil thickness of the vapor system seams and monolithic layer, if applicable.

Any ponding water, dirt, or debris on the surface of a base layer needs to be removed prior to applying Nitra-Core. Nitra-Core should be sprayed at temperatures >45°F. Contact your Land Science representative for requirements in colder temperatures. The curing time for Nitra-Core typically takes 12-24 hours and will depend on weather conditions.

Nitra-Core Properties

Property	Test Method	Typical Value
Color	-	Brown or Black
Shelf Life	-	6 Months
Viscosity	ASTM D2196	<200 cps
Solvent Content	EPA 8260	None
Specific Gravity	ASTM D6937	1.0
Residue Content	ASTM D6934	55-60%
Demulsibility	ASTM D6936	35-40%
pH	-	8-11



Shelf Life and Storage

Nitra-Core has a 6 month shelf life. Product must not be allowed to freeze. Store in the original, closed container at temperatures between 40°F and 95°F, and out of direct sunlight.

Packaging and Availability

Property	Value
Drums	55 gallons
Totes	275 gallons

Contact Land Science for a list of certified applicators.