



# NuMIXER®

Bitumen Softener  
A Blend of Bio-Based Oils

## Roofing

NuMIXER adds flexibility to compounds to better accommodate thermal and physical stresses to reduce cracking. It enhances adhesion to a variety of substrates.



## Paving

NuMIXER enhances low temperature and penetration properties. It improves fracture toughness and fatigue resistance of roadways. It is compatible with a wide range of bitumens.



# A green, all-natural bitumen softener

NuMIXER® is an all-natural blend of prime bio-oils designed to enhance the properties of bitumen in roofing and paving applications.

NuMIXER is used to improve low temperature properties, enhance the compatibility and dispersion of polymer and crumb rubber in bitumen, and reduce and manage viscosity. It delivers roadways with better performance and long-term durability. It decreases stiffness and increases the m-Value in poor quality binders while improving failure, fatigue, and cracking resistance in mixes and pavements.

For roofing applications, NuMIXER improves cold ductility, flexibility, and adhesion to substrates. By lowering the viscosity, it allows formulations to accept enhanced filler loadings.

NuMIXER has a very low odor and no VOCs, promoting worker safety and ease of use.

**Polymer Compatibilizer**

**Low Temperature Aid**

**Viscosity Modifier**

**Easier Processing**

**Better Durability**



## NuMIXER® Technical Data

NuMIXER®
Improve Polymer & Crumb Rubber Compatibility & Dispersion
Enhance Low Temperature Properties
Lower & Manage Viscosity
Improve Fracture Toughness & Fatigue Resistance
Stable at Use, Mixing & Storage Temperatures
Use with a Wide Range of Bitumen Worldwide
Environmentally Friendly Product
Lower Carbon Footprint & Green House Gas Emissions
Low Odor & No VOC
Exceptional Dosage Efficiency
Ship & Use at Ambient Temperature

Property	Typical Value	
Moisture, Vacuum Oven	2 %	
Density	0.9 kg/liter	7.8 lb/gal
Viscosity @ 24 °C (75 °F)	0.05 Pa.s	50 cp
Iodine Value	115	
Flash Point, COC	> 204 °C	> 400 °F
Sulfur	< 50 ppm	
Insolubles	1.5 %	

**PHYSICAL CHARACTERISTICS:** NuMIXER is a blend of bio-based oils derived from harvested crop. The viscosity and color are influenced by a multitude of natural factors and can vary over time. However, the product is formulated to always perform as intended and to consistently deliver desired properties and performance.



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