

# Naturalock™ Biobased Urethane Foam Adhesive

**Environmental Biobased Chemistry Designed To Outperform Petroleum Products**



Naturalock™ Biobased Urethane Foam Adhesive is designed to replace and outperform petroleum based adhesive fastener products for bonding approved roof insulations and substrates to a building's structural roof deck, base sheets, and other insulation boards. Naturalock™ eliminates the need for mechanical fasteners that can often cause damage to the roof deck, which can reduce the roof's service life.

Naturalock™ is a cost effective, dual-component, reaction-cure, biobased polyurethane foam adhesive system that is very high in biobased content whose rapidly renewable constituents and low environmental impact make it a perfect choice for today's environmentally conscious market.

Naturalock™ biobased Polyol B side is made from plant based oils that are available in an abundant supply large enough to replace the entire roofing industry and is not susceptible to petroleum price volatility. The Naturalock™

reactive MDI based A side is common to the industry, but the Naturalock™ formula requires less than half the amount needed by competitive foam adhesive products.

PROPERTY	STANDARD	OBSERVED RESULTS
Viscosity @ 77° F (Part A)	ASTM 4402	3800 cPs
Viscosity @ 77° F (Part B)	ASTM 4402	320 cPs
Tensile Strength	ASTM D 412	101.06 psi
Shear Strength	ASTM D 6383	26.81 lbf/in. <sup>2</sup>
180° Peel Adhesion to Substrate	ASTM D 903	9.910 lbf/in.
Water Absorption	ASTM D 3468	25.72% @ 14 days submerged
Flame Resistance	ASTM E 84	Flame Spread:10 Smoke Development: 15 (Equivalent to UL Class A Ratings)
Biobased Content		Part B : 90% / Finished Product: 55% U.S.D.A. Certified

## FEATURES AND BENEFITS:

- Easy to apply / No mixing – Similar design to industry standards and equipment.
- Cold weather applications – Two component reactive system.
- Highly Elastomeric – remains highly flexible compared to competitive products.
- Closed Cell Low Rise Foam –Eliminates surface irregularities and hydrophobic.
- No Solvents - Low to no odor and VOC compliant (even under California South Coast AQMD).
- U.S.D.A. Certified 55% Biobased Content. Qualifies as a biobased product under the Federal Governments Federal Biobased Product Preferential Procurement Program (FB4P).



Florida Building  
Code Approved  
# FL4210

Green Products, LLC  
221 E. Rocbaar Drive • Romeoville, IL 60446  
815.407.0900 Phone • 815.407.0906 Fax  
[www.greenproducts.net](http://www.greenproducts.net)

