



### Product Data Sheet

#### PRODUCT DESCRIPTION

70613-BIO series is a single component moisture-cured, aromatic, biobased polyurethane coating designed as a weather protective topcoat for polyurethane foam and direct bond roofing systems. This product qualifies as a USDA BioPreferred product for Federal preferred procurement ([www.biopreferred.gov](http://www.biopreferred.gov)).

#### PRODUCT COLOR

Standard color is: White

#### CURED FILM PERFORMANCE

Description	Test Method	Results
Tensile Strength	ASTM D412	1,200 psi
Elongation	ASTM D412	200%
Tear Resistance (Die C)	ASTM D1004	140 lbf/in
Permanent Set	ASTM D412	3.1%
Water Resistance	ASTM D471	<1%
MVT @ 9 Mils	ASTM E96	2.7 English Perms
Tabor Abrasion	ASTM D4060	14.6 mg
Weathering Resistance	ASTM D822	Physical properties retained
Xenon Arc (1,000 hrs, cycle A)	ASTM D4798	No visible blistering, cracking, crazing or checking
Shore A	ASTM D2240	73
Adhesion to 70620-BIO	ASTM D903	8.6 pli

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

#### PRODUCT DATA

Description	Test Method	Results
Biobased Content	ASTM D6866	35%
Weight/Gal	ASTM D1475	10.7 lbs/gal
Weight Solids	ASTM D1353	83%

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Description	Test Method	Results
Volume Solids	Calculated	75%
VOC	EPA Method 24	220 g/L
Viscosity	ASTM D562	110 KU
Flash Point	ASTM D1310	120°F
Recoat Window		1 - 6 days
Solar Reflectance, SRI, Emittance	ASTM E903 (1996)	81.5%, 103, 0.94
Solar Reflectance, SRI, Emittance with #11 BWDF Lucas Granules (30 lbs/100sf)	ASTM E903 (1996)	65.5%, 82, 0.96
Recoat Window		1 - 6 days
Storage		Protected

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

#### MIXING

Read container labels, MSDS and application instructions prior to mixing. Mix 55 gallon drums and 5 gallon pails with a variable speed drill utilizing a jiffy mixer to suspend any settled pigment and attain a uniform color. Time will vary depending on temperature conditions.

#### FIRE RATING

70613-BIO was tested in a composite roofing system according to ASTM E108 and passed the spread of flame test with a Class A Fire Rating. Contact NEOGARD for specifics.

#### STORAGE

Containers of polyurethane coating should be stored in a cool (70°F) area to insure long shelf life. To prevent container rupture due to very high temperature, keep away from heat and/or open flames.

#### HEALTH AND SAFETY

Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.