



Technical Data Sheet

NCFI Polyurethanes
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EnduraTech™ U (70-021) POLYURETHANE

DESCRIPTION:

EnduraTech™ U 70-021 is a technologically advanced, high solids, single component, moisture cure polyurethane elastomer coating uniquely formulated for the protection of sprayed-in-place polyurethane foam insulation and traditional roofing substrates, such as EPDM single ply membrane and BUR surfaces. Once cured this liquid applied moisture-curing polymer provides a durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction. Mil for mil, EnduraTech™ U 70-021 provides greater UV protection than similar generic coatings and offers increased resistance to moisture penetration through its lower moisture vapor permeability values. Due to its moisture-cure properties, a longer production window can be achieved during application.

TYPICAL PHYSICAL PROPERTIES:

<u>Properties</u>	<u>Typical Values</u>	<u>Properties</u>	<u>Typical Values</u>
Solids by Weight	75 ± 2%	Elongation	350% ± 50
Weight per Gallon	9.2 lbs.	Permeability	0.02 perm inch
Viscosity	2700-3000 cps	Water Absorption	2.4%
Cure Times	6 hrs to touch; 8-12 hrs tack free; 12-16 hrs recoat	Adhesion	Exceeds Tensile
Flash Point	80 °F	Hardness	65 Shore A
Shelf Life	90 days @ 40° -90 °F	Clean-up Solvent	MEK
		Service Temp	-50° – 200 °F
		Tensile Strength	900 psi ± 25

RECOMMENDED USES:

EnduraTech™ U 70-021 was specifically developed as a protective coating for sprayed-in-place polyurethane foam roofing. With excellent adhesion, EnduraTech™ U 70-021 may be used as well for protection of conventional commercial/industrial surfaces such as, but not limited to, EPDM single ply membranes, wood, concrete, masonry, asphalt shingles, and most types of metals.

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APPLICATION INSTRUCTIONS:

EnduraTech™ U 70-021 may be applied by medium nap rollers, soft brushes, or conventional airless spray equipment. Apply EnduraTech™ U 70-021 only to clean, dry, sound surfaces free of loose particles or other foreign matter. Successive and/or top coats MUST be applied to the base or intermediate coats within 48 hours to insure proper adhesion. Apply EnduraTech™ U 70-021 at the rate of 1.25 gallon per 100 sq. ft. per coat. Minimum dry mil thickness shall be 25 mils. PRODUCT APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND OUR TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS BEING OBTAINED ARE LESS THAN DESIRABLE.

LIMITATIONS AND PRECAUTIONS:

AVOID MOISTURE CONTAMINATION IN SEALED CONTAINERS. Store in a dry environment at temperatures between 40°F - 100°F. KEEP AWAY FROM HEAT, OPEN FLAME OR SPARKS. USE ONLY IN WELL VENTILATED AREAS WITH PROPER PROTECTIVE EQUIPMENT. Avoid breathing vapor or mist.

The information on our data sheets is to assist customers in determining whether our products are suitable for their applications. The customers must satisfy themselves as to the suitability for specific cases. NCFI Polyurethanes warrants only that the material shall meet its specifications; this warranty is in lieu of all other written or unwritten, expressed or implied warranties and NCFI Polyurethanes expressly disclaims any warranty of merchantability, fitness for a particular purpose, or freedom from patent infringement. Accordingly, buyer assumes all risks whatsoever as to the use of the material. Buyer's exclusive remedy as to any breach of warranty, negligence or other claim shall be limited to the purchase price of the material. Failure to adhere strictly to any recommended procedures shall relieve NCFI Polyurethanes of all liability with respect to the material or the use thereof.