



Technical Data Sheet

NCFI Polyurethanes

Div. of Barnhardt Manufacturing Co.

PO Box 1528 • Mount Airy, NC 27030

800-346-8229

www.NCFI.com

EnduraTech Silicone (70-025)

DESCRIPTION:

EnduraTech Silicone (70-025) is a one-part silicone elastomeric coating specifically designed for use in roofing applications as a protective coating over spray polyurethane foam. Once cured this liquid applied silicone coating provides a durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction. Mil for mil, EnduraTech Silicone provides greater UV protection than similar silicone coatings and offers increased resistance to moisture penetration. EnduraTech Silicone provides excellent long term protection through exceptional weatherability properties.

TYPICAL PHYSICAL PROPERTIES:

<u>Properties</u>	<u>Typical Values</u>	<u>Properties</u>	<u>Typical Values</u>
Solids by Volume	65 ± 2%	Elongation	150% ± 50
Weight per Gallon	9.2 lbs	Permeability	3.9 perms
Viscosity	9000 cps	Water Absorption	N/A
Cure Times	6 hrs to touch; 2 hrs tack free; 30 minutes, skinover	Adhesion	Exceeds Tensile
Flash Point	104 °F	Hardness	55 Shore A
Shelf Life	6 months @ 40° -90 °F	Clean-up Solvent	Mineral Spirits
Thinner	Not recommended	Service Temp	-50° – 200 °F
		Tensile Strength	500 psi ± 25

RECOMMENDED USES:

EnduraTech Silicone was specifically developed as a protective coating for sprayed-in-place polyurethane foam roofing. With excellent adhesion and durability, EnduraTech Silicone is proven to provide excellent UV protection and long term durability for spray polyurethane foam.

EnduraTech Silicone

(70-025)

APPLICATION INSTRUCTIONS:

EnduraTech Silicone may be applied by medium nap rollers, soft brushes, or conventional airless spray equipment. Apply EnduraTech Silicone only to clean, dry, sound surfaces free of loose particles or other foreign matter. For best results, ambient temperature should be between 50-80° F. Higher temperatures will shorten the cure time and working time for proper application of granules before the material has skinned. Lower temperatures will lengthen the skinover, tack free and ultimate cure time. Sudden temperature declines may also result in dew formation on surfaces, which can prevent adhesion development. For best results, relative humidity should be above 20%. Lower humidity will slow the cure time significantly.

Apply EnduraTech Silicone at the rate of 1.5 gallons per 100 sq. ft. per coat, with a two coat minimum requirement. Minimum dry mil thickness shall be above 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 AWAY FROM HEAT, SOURCES OF IGNITION, AND INCOMPATIBLES. USE ONLY IN WELL VENTILATED AREAS. Do not inhale vapor or mist; do not get on skin, in eyes, or on clothing.

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.