



## Technical Data Sheet

NCFI Polyurethanes  
Div. of Barnhardt Manufacturing Co.  
PO Box 1528 • Mount Airy, NC 27030  
800-346-8229 www.NCFI.com

# EnduraTech™ 70-028

## PREMIUM ACRYLIC ELASTOMERIC COATING

### DESCRIPTION:

EnduraTech 70-028 is a high solids, technologically advanced, thixotropic, fire retardant coating. It is a 100% acrylic elastomer uniquely formulated for the protection of spray polyurethane foam, metal, and a wide variety of other substrates.

### DISTINGUISHING CHARACTERISTICS:

- Superior resistance to ultraviolet degradation
- Excellent adhesion to SPF
- Good low temperature flexibility down to -15°F
- Acts as a breathing membrane allowing trapped moisture vapor to pass through while resisting exterior mass water penetration
- Retains high reflectivity because of excellent dirt pickup resistance, reduces substrate temperatures, prolongs roof life, and reduces interior temperatures and energy costs.
- Meets the requirements of ASTM D6083

### TYPICAL PHYSICAL PROPERTIES:

Properties	Typical Values
Solids by Weight	65%
Solids by Volume	58%
Weight per Gallon	11.2 lbs.
Viscosity	12600 cps
Coverage, Dry	10.4 mils/100 ft <sup>2</sup> /gal.
Coverage, Wet	16 mils/100 ft <sup>2</sup> /gal.
Clean-up	Soap & Water
Re-coat Time	12 - 24 hours

### INSTALLATION:

- May be applied by spray or heavy nap roller. However, airless spray is recommended for consistency.
- All surfaces must be clean, dry, and free of dirt, grease, oil, and other contaminants that would interfere with proper adhesion.
- Apply in two separate coats at the minimum rate of one gallon per 100 square feet.
- Apply at temperatures above 50°F.
- Apply only when Weather conditions will permit coating to dry before rain, dew, or freezing temperatures occur.
- For details, see Coating Specification Guide.

# EnduraTech™ 70-028

## PREMIUM ACRYLIC ELASTOMERIC COATING

### PERFORMANCE PROPERTIES:

Properties	Test Method	Typical Values
Elongation	ASTM D2370	239%
Tensile Strength	ASTM D2370	400 psi
Low Temperature Flexibility	ASTM D522	Pass
Permeance	ASTM D1653	6.5 perms
Salt Spray (3000 hours)	ASTM B117	No effect
Impact Resistance	ASTM D2294	> 160 lb in/lb
Hardness, Shore A	ASTM D2240	45
Weatherability (3800 hours)	ASTM G26	No effect
Algae Resistance	ASTM G21	No Growth Supported
Fungi Resistance	ASTM G29	No Growth Supported
Service Temperature		-40 – 200°F

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.