



# INTELLATHANE

## SL-70

Protective Coating System

### DESCRIPTION

Intellathane SL-70 is a 100% solids, spray applied elastomeric protective coating. Intellathane SL-70 is designed to self-level upon application creating a uniform protective coating surface with high hardness and moderate elongation. Intellathane SL-70 is a urea hybrid system that contains zero VOCs.

### PROPOSED USES

Intellathane SL-70 exhibits excellent adhesion to most materials and is suitable as a protective-abrasive-impact liner for fiberglass, wood, and metal surfaces.

### TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Result
Shore A Hardness	ASTM D-2240	90-100
Density (pcf)	ASTM D-1622	60
Tensile Strength	ASTM D-2370	2,100 psi minimum
Abrasion Resistance (taber)	ASTM D-4060	0.3% per 1,000 cycles
Elongation %	ASTM D-2370	50% minimum
Tear Strength	ASTM D-1004	300 pli minimum
Moisture Vapor Transmission, Perms	E96	0.025 @ 30 mils

### TYPICAL PROCESSING CHARACTERISTICS

Property	Result
Component Temperature at Spray Head: A Component B Component	145°F - 160°F 145°F - 160°F
Minimum System Pressure	2,000 psi
Gel Time	9 seconds
Cure Time	24 hours
Recommended Application Temp. Range	40°F to 90°F

### TYPICAL PRODUCT APPLICATION PARAMETERS

Property	Test Method	"A"	"B"
Specific Gravity	ASTM D-1638	1.15	1.02
Viscosity	Brookfield LVF	400 cps +100	1,200 cps +100
Mixing Ratio	By Volume	1	1
Mixing Ratio	By Weight	53	47
Pounds Per Gallon	From Spec. Gravity	9.6	8.5
Temp. At Spray Gun	N/A	145°F	145°F
Gel Time	String	9 seconds	9 seconds
Dry to Touch	Touch	12 seconds	12 seconds
Total Cure	N/A	24 hours	24 hours
Product Working Temp.	*non immersion	-40°F to 180°F	-40°F to 180°F
Relative Humidity	N/A	MAX 85%	MAX 85%

### APPLICATION REQUIREMENTS

**Spray Equipment:** Spray equipment must be designed to produce a minimum of 2,000-psi with an output of 1.5 gallons per minute. The heating component of the equipment must be able to maintain a temperature at the gun of 150°F. The hose on the equipment must be heated and be rated a minimum of 3,000-psi burst pressure. The spray gun must also be rated at the pressures and throughputs required.

**Substrate Parameters:** The substrate must be dry! A minimum ambient temperature of 5°F above the dew point is mandatory. The ambient relative humidity should not be above 85%. Pin holing may occur if the above parameters are not strictly followed. Applicator shall check initial climatic conditions. A small area shall be sprayed and checked for proper application. Applicator may continue, if upon close inspection, the sprayed sample meets quality standards.

**Coverage:** The material theoretically will cover 1,604 square feet/100 gal drum set at 100 mil dry film thickness. Coverage of the substrate should include a waste factor based on conditions at the site and type of substrate to which the material is being applied.

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