



# INTELLATHANE

## 7100LV

Pure Urea Spray Coating for Industrial Applications

### DESCRIPTION

Intellathane 7100LV is a two-component, 100% solids, no VOC's pure urea spray elastomer with remarkable performance and physical properties. Its components have a lower initial viscosity to improve flowability and ease of application, and it has a mid-to-fast gelation profile for better workability.

### PROPOSED USES

Intellathane 7100LV is designed to be easier to work with using less powerful spray equipment, and it can be used in a variety of applications. As a pure urea it is less susceptible to moisture, and the final membrane has a much higher slip resistance than other coatings. It exhibits excellent adhesion to a variety of substrates, including cement, wood, and/or metal.

#### Spray Equipment

Spray equipment must be designed to produce a minimum of 2,500-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! Proper substrate prep is critical to application success! A minimum ambient temperature of 5° F above the dew point is mandatory. The ambient relative humidity should not be above 85%. Product working temperature range is -40° F to 280° F. Pin holing may occur if the above parameters are not strictly followed. It is up to the applicator to check initial climatic conditions. It is recommended that a small area be sprayed and checked for proper application.

#### Coverage

The material theoretically will cover 1,604 square feet 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.

### STORAGE

Liquid material should be stored at temperatures between 55° F and 95° F in sealed containers. A-side component should always be blanketed with nitrogen gas. Material shelf life is 6 to 12 months. Consult product SDS for proper safety and handling procedures of components.

### TYPICAL PHYSICAL PROPERTIES

Property	ISO Component	Poly Component
Brookfield Visc. @78° F, 20 RPM	800 CPS	600 CPS
Weight/Gallon	9.6 LBS	8.6 LBS
Color	Clear Yellow	Black
Processing Data		
Mix Ratio (Parts by Vol.)	1:1	
String-Gel Time	5 Seconds	
Dry-To-Touch Time	8 Seconds	
Cured Property	Test Method	Result
Final Color	N/A	Black
Durometer	ASTM D2240	50 Shore D
Tensile Strength	ASTM D412	2,600 PSI
Elongation	ASTM D5034	200%
Die-C Tear Strength	ASTM D624	450 PLI
Abrasion Resistance	ASTM D4060	53 mg/1,000 cycles
Impact Resistance	ASTM D2794	256 in-lbs. @ 100 mils

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