

# CPS 7100 LV

## Protective Coating System

### Description

CPS 7100 LV 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.

### Typical Physical Properties

Properties	A-Side	B-Side
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 Properties		
Test Method	Result	
Color	N/A	
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-lbf @ 100 mils

### Application Requirements

#### 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%.

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



## Chemical Resistance Summary

	Rating
HCl, 10%	A+
HCl, 27% @ 120° F	NR
H2SO4, 20%	A
H2SO4, 60%	NR
H3PO4, 10%	B
NaOCl, 5%	A+
NaOCl, 12%	C
NaOH, 50%	A+
Castor Oil	A+
NH4OH, 10%	B
Diesel Fuel	A
Gasoline	B
H2O @ 70° C	A+
H2O Room Temp.	A+
Motor Oil	A+
Ethylene Glycol	A+
Mineral Spirits	A+
Paint Thinner	NR
Sea Salt, 25%	A+
Isopropyl Alcohol	C
Xylene	NR
De-Natured Alcohol	NR
Kerosene	B

A+	Suitable for continuous immersion
A	Suitable for continuous immersion or exposure for up to 3 months
B	Suitable for temporary immersion or exposure
C	Suitable for temporary exposure or incidental contact
NR	Not Recommended
NT	Not Tested

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