

# Technical Data



## INTELLATHANE® 400C

### DESCRIPTION:

**INTELLATHANE® 400C** is a polyurea hybrid spray on bed liner formulation. **INTELLATHANE® 400C** utilizes renewable resources making this product conform to green standards globally. This product provides a flexible but extremely tough monolithic membrane.

### PROPOSED USES:

**INTELLATHANE® 400C** is a fast cure, textured surface, multi-purpose built material designed for automotive applications such as pickup truck bed liners. It exhibits excellent adhesion to most materials and is suitable as a protective-abrasive-impact liner for cementitious, wood, and/or metal surfaces. The system is also ideal as a patching or repair for high pressure sprayed bed liner.

### PHYSICAL PROPERTIES:

SHORE A HARDNESS (ASTM D-2240)	85 – 87A
DENSITY (pcf) (ASTM D-1622)	66 - 68
TENSILE STRENGTH (ASTM D-412c)	2800 psi
ELONGATION % (ASTM D-2370)	120 %
TEAR STRENGTH (ASTM D-1004)	350 LB/IN



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## PROCESSING CHARACTERISTICS:

Component Temperature at Spray Head:	
A Component	70°F - 100°F
B Component	70°F - 100°F
Minimum System Pressure	100 psi
Gel Time	<12 seconds
Dry to touch	5 – 45 seconds
Minimum Time to Service	4 hours at 70F

## PRODUCT APPLICATION PARAMETERS:

Property	Test Method	<u>"A"</u>	<u>"B"</u>
Specific Gravity	ASTM D-1638	1.1491	1.0423
Viscosity	Brookfield LVF	460 cps	1220 cps
Mixing Ratio	By Volume	1	1
Mixing Ratio	By Weight	55.1	50
Pounds Per Gallon	From Spec. Gravity	9.6	8.7
Temp. At Spray Gun	N/A	Ambient	Ambient
Gel Time	N/A	<12 seconds	<12 seconds
Total Cure	N/A	4 days	4 days
Product Working Temp.	N/A	Cartridges need to be warmed to 70-100F	Cartridges need to be warmed to 70-100F
Relative Humidity	N/A	MAX 85%	MAX 85%
Coverage per Cartridge (50 mils)	N/A	12.7 ft <sup>2</sup>	



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## APPLICATION REQUIREMENTS INTELLATHANE® 400C

**Spray Equipment:** Pneumatic equipment capable of dispensing 750ml x 750ml cartridges. Compressed air source: 100 psi @ 9 – 12 CFMs minimum. Cartridges are best sprayed when material temperature is at 70° – 100° F. Ambient temperature may be 60° – 100° F. Air tip pressure may be adjusted to give the desired texture appearance.

**Substrate Parameters:** The substrate must be dry! A minimum 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 check for proper application. Applicator may continue, if upon close inspection, the sprayed sample meets quality standards.



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