

# PRODUCT INFORMATION

**ELASTOCHEM<sup>®</sup>**  
SPECIALTY CHEMICALS INC.

## **ELASTOCHEM<sup>®</sup>-PU9511**

### **DESCRIPTION:**

ELASTOCHEM<sup>®</sup>-PU9511 is a low viscosity two component polyurea coating. This high performance coating has excellent thermal properties and cures to an extremely tough, chemical resistant coating.

### **Product Uses:**

This product can be used for coating concrete for containment, metals, foams and geotextiles for various applications.

<b>Mix Ratio:</b>	<u>Part "A"</u>	<u>Part "B"</u>
By Weight:	100	91
By Volume:	100	100

### **Packaging:**

Sold in Pails and Drums

### **Storage:**

12 Months in unopened containers when stored in a dry location at 50-90°F (10-32°C)

### **Precautions:**

Users must read container labels and Material Safety Data Sheets for health and safety precaution prior to use.

### **Application:**

Substrate must be sound, clean and free of dirt, debris and other contaminants.

Priming is required on all surfaces prior to application of coating. Elastochem PR211 is used on most substrates.

Thoroughly mix the B component of PU9511, prior to use. Extreme caution should be exercised to prevent cross contamination of the individual components and with the mixing equipment.

High pressure (3500 psi(24.4 MPa)), plural component proportioning equipment with plural component spray guy.

Minimum Material Temperature: 140°F (60°C)

Minimum Air and Surface Temperature: 41°F (5°C) and rising.

### **Coverage:**

Depending on surface roughness, 36-54 sqft/ gallon (0.88-1.31 sqm/liter) at a dry thickness of 40 mils

### **Typical Processing Data:**

Isocyanate Temperature (°F) "A"	140-180
Resin Temperature (°F) "B"	140-180
Viscosity Part "A" (cps)	800 +/- 500
Viscosity Part "B" (cps)	550 +/- 300
Gel Time (seconds)	8-12
Tack Free Time (seconds)	<30
Recoat Time	0 – 12 hours
Ultimate Cure: 5 Days	

### **COATING PROPERTIES\***

Hardness, Shore	95A/50D	ASTM D-2240
Tensile Strength (psi)	2450	ASTM D-412
Elongation, Ultimate (%)	295	ASTM D-412
Tear Strength, Die C (pli)	450	ASTM D-624
100% Modulus (psi)	1230	ASTM D-412
Moisture Vapor		
- Transmission (Perm Value)	<0.10	ASTM E96-80
Elcometer Adhesion		
- Steel (psi)	>1200	ASTM D-4541
- Concrete (psi)	850	ASTM D-4541
-- Cohesive Failure of Concrete		

\* Note: This data is based on laboratory tests, application conditions and methods may affect these value

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