



# POLYCOAT PRODUCTS

A Division of American Polymers Corp.

## POLYEURO® 7502

Two Component Aliphatic Polyurea Protective Coating

### DESCRIPTION

Polyeuro® 7502 is a fast set, rapid curing, 100% solids, flexible, aliphatic, two component spray polyurea that can be applied to suitably prepared interior or exterior concrete and metal surfaces. Its extremely fast gel time makes it suitable for applications down to -20°F. It may be applied in single or multiple applications without appreciable sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures.

### FEATURES

- ❖ Zero VOC (100% Solids)
- ❖ Excellent Thermal Stability
- ❖ Low Temperature Flexibility
- ❖ Good Chemical Resistance
- ❖ Interior or Exterior Applications
- ❖ Excellent Color Retention
- ❖ Coats Carbon or Mild Steel Metals without Primer
- ❖ Installed With or Without Reinforcement in Transitional Areas
- ❖ Odorless
- ❖ Seamless
- ❖ Meets USDA Criteria

### TYPICAL USES

- ❖ Airports
- ❖ Refineries
- ❖ Fertilizer Plants
- ❖ Mining Operations
- ❖ Food Processing Plants
- ❖ Marine Environments
- ❖ Secondary Containment
- ❖ Walkways and Balconies
- ❖ Water and Waste Water Treatment
- ❖ Industrial and Manufacturing Facilities
- ❖ Power Plants
- ❖ Structural Steel
- ❖ Warehouse Floors
- ❖ Cold Storage Facilities
- ❖ Landfill Containment
- ❖ Paper and Pulp Mills
- ❖ Parking Garage Decks

### COLORS

Various colors are available upon request.

### PACKAGING

10 gallon kit: One 5 gallon pail of Part-A and one 5 gallon pail of Part-B.

100 gallon kit: One 50 gallon drum of Part-A and one 50 gallon drum of Part-B.

### COVERAGE

Polyeuro® 7502 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

### SURFACE PREPARATION

Refer to general guidelines for complete information.

### MIXING

Polyeuro® 7502 may not be diluted under any circumstances. Use appropriate solvent for solvent purge line and flushing of equipment and if spraying stops for periods exceeding the

### TECHNICAL DATA

Mix Ratio by Volume .....	1A : 1B
Pot Life .....	10-15 seconds
Tack Free Time .....	60-120 seconds
Recoat Time .....	0-6 hours
Viscosity at 150-160°F (66.5-71°C), Brookfield:	
Part-A .....	120 ± 20 cps
Part-B .....	40 ± 20 cps
Density (Side A & B Combined) .....	8.87 lbs/gal
Flash Point .....	>200°F
Hardness, ASTM D-2240 .....	50 ± 5 D
Tensile Strength, ASTM D-412* .....	3300 ± 300 psi
Elongation, ASTM D-412* .....	375 ± 20%
Tear, ASTM D-412* .....	400 ± 20 pli
Service Temperature .....	-40°F to 300°F

(\*These physical properties from sample sprayed with Graco Foam Cat 200 @ 2000 psi minimum, with Gusmer GX7-400 mechanical purge gun @ 150-160°F. Different machine and parameter will change these properties. User should perform their own independent testing as properties are approximate.)

potlife of the material. Thoroughly mix Polyeuro® 7502 Part-B Base material with air driven power equipment until a homogeneous mixture and color is obtained.

### APPLICATION

Polyeuro® 7502 should be applied using a 1:1 plural component equipment capable of developing a minimum of 2000 psi and heating the individual component to 170°F using an impigment gun. Hose temperature should be maintained at 160-170°F. The Polyeuro® 7502 material should be pre-heated to 75-85°F.

Polyeuro® 7502 should be sprayed in multidirectional passes for a proper uniform thickness.

### EQUIPMENT CLEAN UP

Equipment should be cleaned with an environmentally safe, urethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

### STORAGE

Polyeuro® 7502 has a shelf life of one (1) year from date of manufacture in factory sealed containers.

Part-A and Part-B drums must be stored above 60°F.

Avoid freezing temperatures.

Store drums on wooden pallets to avoid direct contact with the ground.

If stored for a long period of time, rotate Part-A and Part-B drums regularly.

**LIMITATIONS**

Do not open until ready to use.

**WARNING**

This product contains Isocyanates and Curative Material.

This product is considered Dangerous Goods. DOT regulations classify it as:

**Part-A: TOXIC LIQUID, organic, N.O.S. (Isophorone Diisocyanate), Class 6.1, UN 2810, PG III, TOXIC**

**Part-B: AMINES, liquid, corrosive, N.O.S (polyoxypropylenediamine), Class 8, UN 2735, PG III, CORROSIVE**

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*Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.*

**LIMITED WARRANTY**

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