

Product Description

PSE 3074A is a 100% solids polyurethane-urea hybrid coating. PSE 3074A is an aromatic coating designed to be an elastomeric coating for all substrates, providing excellent chemical and abrasion resistance.

Features

PSE 3074A combines the processing advantages of a polyurea with the economical performance of a polyurethane coating.

- Aluminum UV resistant
- Improved low temperature cure
- Improved low temperature flexibility
- Improved tensile and elongation properties
- Lower sensitivity to moisture during application

Uses

- Abrasion resistance over wood, metal and concrete.
- Gasoline and chemical resistance for Styrofoam flotation.
- Secondary containment coating-provides a chemical resistant membrane over concrete and steel in approved tank farms
- Water and chemical resistance for concrete block and poured walls.
- Waterproofing for Urethane foam roofing

Applications

PSE 3074A can be built up to any thickness. A minimum of 60 mils in two passes is recommended for exterior applications.

Storage and Handling

Containers for both A and B components should be kept tightly closed to prevent moisture contamination. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Component B may be stored at ambient temperatures. Storage for Component A should be maintained between 77°F (25°C) and 95°F (35°C). For best results, this product should not be allowed to freeze, although it may be re-heated in a well ventilated oven for a period of time to re-liquefy solid particles. To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°C). An additional note of caution is that exposure to temperatures over 400°F (204°C) can create excessive pressure potentially causing containers to rupture. Do not breathe aerosol or vapors and avoid contact with skin and eyes. Exposure to vapors of heated MDI can be dangerous. To heat product properly, use well ventilated convection ovens or other methods that distribute heat evenly. Avoid

Typical Properties Side-A (ISO)

Viscosity @ 77°F (25°C)	500-600 MPa
Specific Gravity @ 77°F (25°C)	1.25
Appearance @ 77°F (25°C)	liquid
Wt./gallon @ 77°F (25°C) lbs/gal	9.73

Typical Properties Side-B (polyol blend)

Viscosity @ 77°F (25°C)	650-850 MPa
Specific Gravity @ 77°F (25°C)	0.984
Appearance @ 77°F (25°C)	visous liquid
Wt./gallon @ 77°F (25°C) lbs/gal	8.64

Typical Physical Properties

Hardness Shore A	82-85
Elongation, 77°F (25°C), %	320
Tensile Strength 77°F (25°C),psi	1720
Tear, Die C, pli	225
Taber Abrasion, CS-17 wheel, 1000gr. Load	11.4 mg lost/1000 cycles
Water Absorption, 75°F (24°C), 30 days, %	2
Practical coverage @ 50 mils	3 gallons/100 sqft

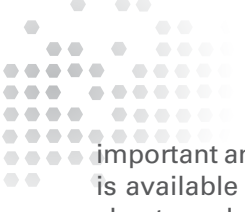
Processing Characteristics

Solids by weight and volume, %	100
Mix ratio by volume	1:1
Gel time	7-10 seconds
A component temperature	120-140°F
B component temperature	140-160°F
Line Temperature	110-130°F

using drum heaters or other heat sources that may cause excessive local heating.

Health and Safety

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on its hazards, proper use and handling. This is extremely



important and cannot be overemphasized. Information is available in several forms, e.g. material safety data sheets and product labels. To obtain this information, contact your Polycoat Products representative.

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