



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

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www.Polycoat.com

TECHNICAL DATA SHEET

PSE 60A-YELLOW PRODUCT Polyurea-Urethane High Performance

Coating

Typical Properties PSE 60A-A (ISO)

Viscosity, mPas @ 25° C	500-600
Specific Gravity @ 25° C	1.12
Wt./gallon @ 25° C lbs/gal	9.33
Appearance @ 25°C:	liquid

Typical Properties PSE 60A-B (polyol blend)

Viscosity, mPas @ 25° C	800-1000
Specific Gravity @ 25°C:	1.05
Wt./gallon @ 25° C lbs/gal	8.75
Appearance @ 25°C:	viscous liquid

Typical Physical Properties

Hardness	Shore A	60-70
Elongation, 25° C	%	400
Tensile Strength 25° C	PSI	1100
Die C Tear Strength	PLI	210
Taber Abrasion c17, 1000g		10mg/1000 cycles

Product Description:

PSE 60A is a two-component polyurea/polyurethane spray elastomer system. This spray system provides excellent abrasion and chemical resistance. PSE 60A is 100% solids and contains no voc's.

Recommended Uses:

Uses for this coating system include industrial, concrete protection, flotation and truck bedliners.

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

Processing Characteristics

Solids by weight and volume	%	100
Mix ratio by volume		1:1
Dry time to touch		10-15 sec
A component temperature	°F	120-140
B component temperature	°F	140-150
Hose temperature	°F	110-120
Spraying Pressure	PSI	1400 minimum

Health and Safety Information:

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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