PLATINUMLINERS HD

Polyurea-Urethane High Performance Coating

Typical Properties Platinum Liners - HD (ISO)

Viscosity, mPas @ 25° C	700
Specific Gravity @ 25 ° C	1.14
Wt./gallon @ 25 ° C lbs/gal	9.51
Appearance @ 25°C:	liquid

Typical Properties Platinum Liners - HD (polyol blend)

Viscosity, mPas @ 25° C	800
Specific Gravity @ 25°C:	1.02
Wt./gallon @ 25° C lbs/gal	8.59
Appearance @ 25°C:	viscous liquid

Typical Physical Properties		
Hardness	Shore A	88-92
Elongation, 25° C	%	300
Tensile Strength 25° C	PSI	2000-2200
Die C Tear Strength	PLI	264
Theoretical coverage@ 16 mils		100ft²/gal
Practical coverage@ 50 mils		100ft²/3gal
Water Absorption, 25°C30days	%	1-3
Taber Abrasion c17, 1000g		0.9mg/1000 cycles
Processing Characteristics		
Solids by weight and volume	%	100
Mix ratio by volume		1:1
Dry time to touch		10-15 sec

Product Description:

Platinum Liners - HD is a 100% solids polyurethane-urea hybrid, aromatic coating designed to be an elastomeric protective coating for all substrates, providing excellent chemical abrasion resistance. Platinum Liners - HD can be sprayed through a dual cartridge spray system or low pressure spray equipment.

Unique Properties:

Platinum Liners - HD combines the processing advantages of a polyurea with the economic performance of a polyurethane coating.

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

Applications:

Platinum Liners - HD can be built up to any thickness. A minimum of 50 mils in two passes is recommended for exterior applications. Lower film thicknesses are acceptable if a light-stable top-coat is used.

Basic Uses:

- Truck Bedliner
- Secondary containment coating (provides a chemical resistant membrane over concrete and steel in approved tank farms)
- Gasoline and chemical resistance for Styrofoam flotation
- Abrasion resistance over wood, metal and concrete
- Waterproofing wood and foamed plastics
- Water and chemical detergent resistance for concrete block and poured walls.

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 needs to be blended 30 minutes prior to using** and 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 using drum heaters or other heat sources that may cause excessive local heating.

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 Polysource Industries representative.

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