



PLATINUMLINERS

HD PLUS

Aromatic Polyurea Coating

PRODUCT DESCRIPTION:

Platinum Liners - HD Plus is widely used in both the construction and OEM markets due to its excellent physical properties and resistance to moisture issues. The elastomeric coating displays excellent chemical resistance and thermal stability. **Platinum Liners - HD Plus** is a fast-set, spray applied, two component polyurea that contains 100% solids and Zero VOCs. **Platinum Liners - HD Plus** has been specifically formulated for use in secondary containment over concrete (in conjunction with Chemprime 3558), but has additionally found utility in corrosion protection, waterproofing, concrete restoration and OEM applications. **Platinum Liners - HD Plus** is a pure polyurea – it does not contain un-reactive components or moisture sensitive polyols – and is therefore capable of application in humid environments without porosity and blistering concerns. **Platinum Liners - HD Plus** is formulated this way to be user friendly, and to minimize problems associated with field application.

Platinum Liners - HD Plus requires a primer to adhere to metal or concrete surfaces. When applied to steel over

GatorHyde MMP (Multi Metal Primer), Platinum Liners - HD Plus affords a tremendous level of corrosion protection and bond strength in a thick-film plastic encasement. When applied to concrete over **Chemprime 3558, Platinum Liners - HD Plus** forms a monolithic waterproof membrane that is tough and durable.

PRIMARY APPLICATIONS:

- Secondary Containment Lining for Concrete Vessels
- Waterproofing
- Potable Water Containment
- Work Trailer Coating
- Off-Shore Platform Decks
- Institutional Floor Coating

AVAILABLE COLORS:

- Black – most common
- Others on request, for interior application
- Note: Platinum Liners - HD Plus is intended for exterior applications, but will not remain color fast in colors other than black when used outdoors.

SAFETY & HANDLING:

This product is for industrial use only. Avoid contact with eyes and skin. When spraying, wear a respirator or fresh air hood. Spraying indoors requires forced ventilation. Be sure to read entire MSDS prior to using any Platinum Liners product.

SHELF LIFE & STORAGE:

Six months in factory delivered, unopened drums. Keep away from extreme heat, freezing, and moisture. Proper storage temperature is between 60°F and 90°F. This product can be shipped 12 months without special precaution for heated or refrigerated service, however, it is recommended to warm the material to minimum of 70°F before application.

APPLICATION EQUIPMENT:

Platinum Liners - HD Plus must be applied utilizing a high pressure, heated plural component pump (1:1 by volume). Polysource recommends Graco Reactor E-XP1 or GRACO H-XP2, depending upon the ongoing volume of application. **Platinum Liners - HD Plus** should be applied at a constant pressure range between 2000 and 2500 psi and material temperature of 150° to 160°F. *For additional information on equipment and installation issues, contact Polysource Technical Service for details.*

APPLICATION RECOMMENDATIONS:

Platinum Liners - HD Plus adheres extremely well to properly prepared concrete, metal, wood, aluminum, fiber glass, and galvanized metal surfaces. Prior to coating, make sure that all substrates are free of loose dust, dirt, rust, grease, oil, mold release agents or other contaminants that might interfere with the bonding process. Where excellent adhesion is required, it is recommended that surfaces be primed before applying **Platinum Liners - HD Plus**. *Contact manufacturer for recommended primer use. Please consult the*

PHYSICAL PROPERTIES:

Tensile Strength, psi	ASTM D412	3850
100% Modulus, psi	ASTM D412	1460
200% Modulus, psi	ASTM D412	1960
300% Modulus, psi	ASTM D412	2650
Elongation, %	ASTM D412	425
Die "C" Tear Strength, pli	ASTM D624	570
Hardness, Shore D	ASTM D2240	52
Flexibility, 1/8" mandrel	ASTM D1737	Pass
Taber Abrasion, mg loss CS17	ASTM D6040	17.0
Viscosity, A Side (75°F)	CPS	350
Viscosity, B Side (75°F)	CPS	650

TYPICAL PROCESSING PROPERTIES:

Gel Time	Seconds	11
Tack Free Time	Seconds	22

Polysource Primer Technical Bulletin.

PACKAGING:

Platinum Liners - HD Plus is available in 5 gallon pails, 55-gallon drums, and 275 gallon totes.

	Net Weight	Container Wt	Total Wt
A-side 5gal pails	45 lbs	2 lbs	47 lbs
A-side 55 gal drum	500 lbs	45 lbs	545 lbs
A-side 275 gal tote	2500 lbs	140 lbs	2640 lbs
B-side 5gal pails	43 lbs	2 lbs	44 lbs
B-side 55 gal drum	462 lbs	45 lbs	507 lbs
B-side 275 gal tote	2310 lbs	140 lbs	2450 lbs

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