



PRODUCT MANUFACTURER:

LINE-X LLC
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DESCRIPTION:

LINE-X PREMIUM is a low odor, two component Polyaspartic Aliphatic Polyurea spray coating that is a UV stable topcoat for polyurea and polyurethane systems on properly prepared substrates. PREMIUM is a 100% solid with zero VOC (Volatile Organic Compounds) and superior physical properties. PREMIUM is an environmentally friendly product with excellent color, gloss retention and UV stability.

Suitable applications include:

- Topcoat for truck bedliners
- Topcoat for other LINE-X polyurea products

PREMIUM is sold in clear and black. Applicators may purchase pigments in standard colors and custom colors can be formulated upon request.

PREMIUM PRM A1/B1 is packaged in a 2 gallon set. A set is comprised of one (1) gallon of A “Iso” component and one (1) gallon of B “resin” component.

APPLICATION PROCESSING DATA:

Conditions: 75°F and 50% Rel. Humidity
 Mix Ratio by Volume 1A:1B
 Pot Life: 30-45 minutes
 Tack Free Time over hot LINE-X: 10-15 minutes
 Recoat Window over LINE-X: 1 hour
 Full Cure Time: 24 hours

Premium should be applied as soon as possible over hot or warm LINE-X but no longer than one hour after LINE-X application. Tack free time and full cure time is temperature, humidity and film thickness dependent. Thicker films will take longer to through-cure. High humidity will shorten cure time. In cold, dry conditions the cure time will be significantly prolonged.

Approximate values only. This data should not be considered specifications and is intended for general information for planning the application process.

APPLICATION EQUIPMENT:

PREMIUM is designed for spray applications over LINE-X polyurea products.

PREMIUM is mixed in a 1:1 volume and sprayed using a High Volume, Low Pressure (HVLP) spray system with a 1.8 spray tip. Based on truck bed size, the following amounts of PREMIUM are needed:

Under the Rail

- 16 fl.oz - 5 ½' bed
- 18 fl.oz - 6 1/2' bed
- 21 fl.oz - 8' bed

An additional 2 fl.oz. are needed for over the rail applications.

PREMIUM is tack free over hot LINE-X in 10 to 15 minutes.

Prior to application, proper surface preparation is required. Surfaces must be clean, dry and in sound condition. Remove all oil, dust, grease, loose particles and rust.

APPLICATION GUIDELINES:

PREMIUM is optimally applied at 4 mils thickness. Please see coverage table below for 100% solids with no solvents:

Field coverage guidelines at 100% solid (includes waste):

Thickness (mils)	Sq. Ft. Per 2 Gallon Set
1	1800 - 2100
3	600 - 700
5	300 - 350

Mixing Instructions:

This is a two-component system. PREMIUM A and B side components should be well mixed independently using separate paint stirrers for a minimum of 60 seconds prior to blending. For clear coats, combine equal parts of PREMIUM A and B components by volume. Use care when mixing to avoid incorporation of air. The mixing process should not be less than 60 seconds or more than 90 seconds. Mix only the volume that can be used within the work time of the product (i.e. 20 to 25 minutes at 75°F at 50% relative humidity).



Pigment Mixing Instructions:

At present, PREMIUM is sold as black and clear. Please note that clear PREMIUM can only be tinted using ASP/PRM pigments sold by LINE-X. Please see the following table for directions on pigment blending. For custom color blends for PREMIUM, please contact your customer order representative.

Please see the following table for guidelines for the amount of pigment color to add to the B Side resin. Please note that you must determine if you will be adding solvent to the combined A and B mixture prior to determining the amount of pigment to add. Please note that the B side resin must be tinted **prior** to combining with the A side component.

English System

Pigment Load for All Pigments

<u>B Side Resin Volume</u>	<u>Pigment Load</u>
0.25 gallons (32 oz)	.71 lb
0.50 gallons (64 oz)	1.42 lb
1.00 gallons (128 oz)	2.84 lb

Solvent Mixing Instructions:

If necessary, PREMIUM PRM may be thinned using Xylene only. It should be noted that adding Xylene will add a VOC to the product and should only be used in well-ventilated areas with proper personnel safety equipment.

Below are conditions & recommended solvent additions:

<u>Relative Humidity</u>	<u>Solvent %</u>
<50%	0%
50% to 70%	10%
>70%	15%

IMPORTANT: Under no conditions should solvent be added to an amount greater than 20% of the volume. Solvent is added to the total volume of the A and B component mixture. PREMIUM A and B side should be mixed together thoroughly prior to adding Xylene solvent.

EQUIPMENT CLEAN UP:

Xylene, Methyl Ethyl Ketone (MEK), Acetone, or Brake Clean are acceptable for cleanup of spray equipment, application tools, and for excess product removal.

MATERIAL STORAGE:

PREMIUM has a shelf-life of twelve (12) months from manufacture date in factory

sealed containers. PREMIUM should be stored between 65° to 80° Fahrenheit and out of direct sunlight. Do not expose unused materials to high humidity conditions. Always provide an airtight reseal for unused materials and store away from fire hazards.

SAFETY AND HANDLING:

Please refer to the MSDS for safety and handling of this material. All personnel working with this material are expected to read and understand all safety recommendations for MSDS. All Personal Protection Equipment including respirators must be properly worn to comply with worker health and safety requirements.

BASIC PHYSICAL PROPERTIES:

<u>Test Name</u>	<u>Test Method</u>	<u>Value</u>
Hardness, Shore D	ASTM 2240	46 ±2
Elongation	ASTM D412	60%
Tensile Strength	ASTM D412	1287-1441
Impact Resistance	ASTM D2749	32 in lbs.
Adhesion	ASTM D4541	535 psi
Taber Abrasion mg loss	ASTM D4060	30.5
Flexibility (1/8 Mandrel)	ASTM D522	Pass, no cracking
QUV Topcoat	ASTM G154	Delta E<2.0 @1700hrs
Gloss Retention	D523	81+
Density A Side (lbs/gal)		9.73
Density B Side (lbs/gal)		8.56
Viscosity A Side		CPS 130 ±75
Viscosity B Side		CPS 450 ±100

CHEMICAL RESISTANCE PROPERTIES:

PREMIUM materials were immersed in the chemicals below for a period of seven (7) days. Recommendation of “yes” indicates that the material met chemical resistance properties for ASTM D543 standard.

<u>Chemical Name</u>	<u>Recommendation</u>
Aviation J.P. Fuel	Yes
Formic Acid 10%	Yes
0.3 Brake Fluid	Yes
Motor Oil	Yes
Diesel Fuel	Yes
Sodium Hydroxide 50%	Yes
Automotive Gasoline	Yes
Hydrochloric Acid	Yes
25% Citric Acid	Yes
Distilled Water	Yes
Transmission Fluid	Yes



PROJECT SPECIFIC APPLICATIONS:

The following application details provide general guidelines for PREMIUM applications. All applications require proper surface preparation including the removal of all oil, dust, grease, loose particles and rust. Apply at 3-5 mls wet film thickness per coat.

Spray Applications Over LINE-X:

Both the ISO "A" Side and Resin "B" side should be preconditioned between 70 - 90°F before application. PREMIUM is mixed in a 1:1 volume and sprayed using a High Volume, Low Pressure (HVLP) spray system with a 1.8 spray tip. Approximately 18 ounces of Premium are needed for a standard pick up application and should be applied as soon as possible while the liner is warm (not later than 1 hour after LINE-X application).

Spray Over Aluminum or Galvanized Steel:

- SSPC 10 surface profile
- 2 or 3mls thick
- Prime with FCP or XPM

Spray Over Fiberglass:

- Sand using a 40-80 grit sandpaper
- 2 or 3mls thick
- Prime with FCP or XPM

Over Wood:

- PREMIUM may not be applied directly over wood surfaces.

Please contact your LINE-X technical team for any questions regarding PREMIUM applications not referenced here.

PRODUCT USER RESPONSIBILITIES:

Users of the PREMIUM product are responsible for reading the general guidelines, training materials, product data sheets, specifications and material safety data sheets (MSDS) before using this material. Printed technical data and instructions are subject to change without notice. Contact your local LINE-X representative.

PRODUCT DISCLAIMER:

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty,

either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and LINE-X Acquisition LLC makes no claim that these tests or any other tests accurately represent all environments.

