PRODUCT MANUFACTURER:
LINE-X LLC
1862 Sparkman Drive
Huntsville, AL 35816
877-330-1331

GENERAL PRODUCT DESCRIPTION:
PAXCON PX-3350 is a two component, 100% high performance aromatic polyurea spray elastomer system zero VOC (Volatile Organic Compounds), 100% solid. PAXCON PX-3350 offers outstanding performance and superior elastomeric protective coatings for various substrates. PAXCON PX-3350 is designed as a user friendly product for moisture insensitive applications because of its pure polyurea chemistry, and offers exceptional adhesion properties for properly prepared substrates. The high performance chemicals formulation of PAXCON PX-3350 produces an excellent skin formation for chemical resistances and moisture protection.

APPLICATION GUIDELINES:
Both the Iso A side and Resin B side should be preconditioned between 70-90°F before application. PAXCON PX-3350 must be applied using high-pressure, plural component, heated, 1:1 by volume, spray equipment with 2000 PSI fluid pressure capability. PAXCON PX-3350 material (both Iso A side and Resin B side) should be heated between 120-150°F. Spray equipment must generate adequate fluid pressure for proper mixing and best polymerization results.

APPLICATION EQUIPMENT:
PAXCON PX-3350 is designed to be sprayed through high pressure impingement mixing equipment. Plural component spray equipment must have material heat-control capability, 1:1 by volume, and sprayable with round or flat tip. Refer to equipment manufacturer for equipment specifics and accessories.

EQUIPMENT SETTING PARAMETERS:
Iso A and Polyol B components must be pumped by low-pressure transfer pumps to a suitable high-pressure proportional pumping system.

Temperature Settings:

Iso A Block Heater:	140° – 160° F
Resin B Block Heater:	140° – 160° F
Hoses (Iso and Polyol):	140° – 150° F

Hydraulic Pressure Setting:
Equipment Hydraulic Pressure: 2,000 – 2,500 PSI

EQUIPMENT CLEAN-UP:
Spray equipment should be cleaned immediately after use following equipment manufacturer's recommended procedures. Please refer to spray equipment operating and maintenance procedures for further details. PAXCON PX-3350 should be cleaned with environmentally safe urethane grade cleaners. Cleaning materials must be free of reactive contaminants such as water and alcohol. All gun cleaners and spray equipment cleaning materials must be used and disposed of as permitted under local rules and regulations.

MATERIAL STORAGE:
PAXCON PX-3350 has a shelf life of twelve (12) months from manufacture date in factory sealed containers. PAXCON PX-3350 should be stored between 60-100°F. Do not expose unused materials to high humidity conditions. Always provide airtight reseal conditions to unused materials. For materials that are currently connecting to the pumps, always provide as much airtight and moisture free conditions to unused materials as possible to ensure proper chemical performance. Drums should be stored on pallets to avoid direct contact with the warehouse floor/ground.

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

CHEMICAL TECHNICAL DATA:

Mix Ratio by Volume:	1A:1B
Gel Time:	3-6 Sec
Tack Free Time:	6-9 Sec
Viscosity (cPs) @ 77°F	
A Iso Side:	1000±100
B Resin Side	370±50
Material Density (lbs/gal) @ 77°F	
A Iso Side:	9.5 lbs/gal
B Resin Side:	8.4 lbs/gal

BASIC PHYSICAL PROPERTIES:
All tests are performed by independent third-party material test laboratories:

- OCM Test Laboratories.
- ISO 17025 Certified
- American Association for Laboratory Accreditation (A2LA)
- Truesdail Laboratories, Inc.
- Pira International Material Test Lab

Test Name	Test Methods	Value
Hardness Shore D	ASTM D2240	60±1
Coefficient of Friction	ASTM D1894	
Static		0.305
Kinetic		0.127
Dielectric Const.	ASTM D150	3.6
Dissipation Factor	ASTM D150	0.031
Volume Resistance	ASTM D257	$2.3x10^{14}$ohm cm
DMA Test (Loss Modulus, E" Tg)	ASTM D4065	-28^{o} C
Elongation	ASTM D412	162%
Flexural Strength	ASTM D790	2,630 PSI
Flexural Modulus	ASTM D790	0.056 MSI
Fungus Resistance Test	MIL-STD 810F	Pass
Pull-off Test – Adhesion	ASTM C297	
To Metal – No Primer		1,800 PSI
To Metal – XPM Primer		1,910 PSI
To Metal – LX SF-515 Primer		1,870 PSI
Taber Abrasion (mg Loss/1000 cycles)	ASTM D4060	15.95
Tear Strength	ASTM D624	783 PLI
Tensile Strength	ASTM D412	3,432 PSI
Water Vapor Trans.	ASTM E96	0.499 Grains/Hr Ft^2

ADDITIONAL PRODUCT CERTIFICATIONS:

- ANSI/NSF 61 – 5 (Barrier Material) Coatings for Water Tanks – Certified by Truesdail Laboratory - Only for XS-350 Natural Color
- USFDA Coatings for Incidental-Food-Contact Applications Certified by Keller and Heckman LLP
- MIL-STD-810F – Fungus Resistance

CHEMICAL RESISTANCES PER ASTM D543 FOR IMMERSION IN FLUIDS METHODS:

PAXCON PX-3350 materials are immersed in the chemicals below for a period of 7 days; physical properties of pre- and post-immersion were measured to quantify the changes in product physical properties.

Chemical Names	Volume Change (%)	Hardness Change (%)	Elongation ASTM D412 Change (%)	Tensile Strength ASTM D412 Change (%)	Recommendations
Acetic Acid 10%	6%	-13%	56%	-13%	Yes
Ammonium Chloride 30%	2%	-1%	76%	40%	Yes
Ammonium Hydroxide	2%	-1%	59%	22%	Yes
Automotive Gasoline	11%	-13%	-14%	-39%	Yes
Automotive Oil	13%	-14%	74%	45%	Yes
Aviation J.P. Fuel	8%	-8%	39%	-5%	Yes
Baking Soda 25%	3%	-4%	68%	30%	Yes
Benzene	13%	-16%	-37%	-72%	Yes
Bleach (Chloride)	2%	-7%	50%	12%	Yes
Boric Acid 3%	6%	-12%	65%	22%	Yes
Brake Fluid (DOT 3)	30%	-39%	7%	-48%	Yes-Secondary Containment
Calcium Chloride 50%	2%	-8%	71%	50%	Yes
Calcium Hypochloride 5%	4%	-5%	48%	11%	Yes
Citric Acid 10%	2%	-4%	71%	30%	Yes
Club Soda	3%	-5%	49%	13%	Yes
Cream Soda	2%	-6%	66%	22%	Yes
Crude Oil (Heating)	7%	-4%	35%	11%	Yes
Diesel Fuel	5%	-6%	48%	33%	Yes
Ethylene Glycol	3%	-7%	55%	19%	Yes
Formic Acid 10%	12%	-23%	60%	-29%	Yes-Secondary Containment
Formic Acid 5%	14%	-26%	61%	-31%	Yes-Secondary Containment
Hydraulic Fluid (Oil)	2%	-2%	45%	47%	Yes
Hydrogen Peroxide 30%	4%	-6%	55%	13%	Yes
Hydrogen Peroxide 10%	4%	-7%	80%	22%	Yes
Isopropyl Alcohol	32%	-34%	40%	-50%	Yes
Kerosene	8%	-6%	53%	9%	Yes
Lactic Acid 20%	4%	-7%	79%	18%	Yes
Lactic Acid 45%	7%	-13%	55%	5%	Yes
Methylene Chloride	12%	-22%	-51%	-84%	Yes
Mineral Spirits	4%	-1%	37%	13%	Yes

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Chemical Names	Volume Change (%)	Hardness Change (%)	Elongation ASTM D412 Change (%)	Tensile Strength ASTM D412 Change (%)	Recommendations
Phosphoric Acid 50%	4%	-5%	46%	27%	Yes
Potassium Hydroxide 50%	2%	-3%	65%	47%	Yes
Saline Solution 30%	3%	-8%	NA	NA	Yes
Sea Water	3%	-7%	79%	24%	Yes
Sodium Carbonate 10%	4%	-8%	57%	23%	Yes
Sodium Chloride 30%	2%	-4%	63%	31%	Yes
Sodium Hydroxide 50%	0%	4%	-9%	49%	Yes
Sodium Hydroxide 10%	2%	-8%	74%	26%	Yes
Sodium Sulfate 30%	5%	-7%	54%	6%	Yes
Sodium Sulfate 20%	2%	-1%	74%	30%	Yes
Sugar Solution 30%	2%	-6%	62%	23%	Yes
Sulfuric Acid 25%	2%	-2%	67%	39%	Yes
Sulfuric Acid 10%	2%	-8%	54%	28%	Yes
Tannic Acid 40%	4%	-7%	47%	30%	Yes
Toluene	17%	-18%	-29%	-63%	Yes
1,1,1 – Trichloroethylene	8%	-13%	-53%	-79%	Yes
Xylene	17%	-24%	-3%	-59%	Yes
Water (H20)	2%	-9%	77%	29%	Yes

LIMITAT IONS:

The chemical resistance chart should be consulted prior to application; this is an exhaustive chemical compatibility list quantifying pre and post physical properties for chemicals exposure per ASTM D543. Application specific processing parameters such as temperature, and operating pressure of coated objects must be considered before installing PAXCON PX-3350 coatings system.

PRODUCT USER RESPONSIBILITIES:

Users of PAXCON PX-3350 product are responsible for reading the general guidelines, product data sheets, specifications and material safety data sheets (MSDS) before using this material. Printed technical data and instructions are subject to change without notices. Contact PAXCON representatives or visit our website for current technical data instructions.

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 users 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 makes no claim that these tests or any other tests accurately represent all environments.