PRODUCT MANUFACTURER:

LINE-X LLC
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GENERAL PRODUCT DESCRIPTION:

LINE-X XS-330 is a two-component, high performance aromatic polyurea spray elastomer system with zero VOC (Volatile Organic Compounds) and 100% solid. LINE-X XS-330 offers outstanding performance and superior elastomeric protective coatings for various substrates. LINE-X XS-330 is designed as a user-friendly product for moisture sensitive applications because of its pure polyurea chemistry, and offers exceptional adhesion properties for properly prepared substrates. The high performance formulation of LINE-X XS-330 produces an excellent skin formation for chemical resistance and moisture protection.

APPLICATION GUIDELINES:

Both the Iso A side and Resin B side should be preconditioned between 70-90°F before application. LINE-X XS-330 must be applied using high-pressure, plural component, heated, 1:1 by volume, spray equipment with 2000 PSI fluid pressure capability. LINE-X XS-330 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:

LINE-X XS-330 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. LINE-X XS-330 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:

LINE-X XS-330 has a shelf life of twelve (12) months from manufacture date in factory sealed containers. LINE-X XS-330 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 the 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:	6-9 Sec
Vertical Hang	10-13 Sec
Tack Free Time:	10-13 Sec
Viscosity @ 77° F	
A Side:	1250± 100 cps
B Side:	370 ± 100 cps

Specific Gravity:	
A Side:	1.15
B Side:	1.01
Weight per Gallon:	
A Side:	9.60
B Side:	8.40 lbs/gal

BASIC PHYSICAL PROPERTIES:

TEST NAME	TEST METHOD	VALUE
Hardness Shore D	ASTM D2240	55 ± 2
Abrasion		12mg average
Adhesion DTM	ASTM D4541	1,107-1,259 psi
Elongation	ASTM D412	203%
Tear Strength	ASTM D624	750 pli
Tensile Strength	ASTM D412	3065 psi
Glass Transition by DMA	ASTM D4065	-45° C
Thermal Mechanical Analysis (TMA)	ASTM E1545	-60° C
Dielectric Constant	ASTM D150	2.41
Power Factor	ASTM D150	0.0282 @ 60 Hz
Dielectric Strength	ASTM D150	25.50

LIMITATIONS:

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 LINE-X XS-350 coatings system.

PRODUCT USER RESPONSIBILITIES:

Users of LINE-X XS-350 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 your local LINE-X representative or visit our website www.LINE-X.com 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 are not to be completeness of said tests are not guaranteed 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 LLC makes no claim that these tests or any other tests accurately represent all environments.

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