

PRODUCT MANUFACTURER:

LINE-X LLC
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GENERAL PRODUCT DESCRIPTION:

LINE-X XS-430 is a two-component, 100% high performance aromatic polyurea spray elastomer system that is zero VOC (Volatile Organic Compounds) and 100% solids. XS-430 offers outstanding performance and superior elastomeric protective coatings for various substrates. XS-430 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 formulation of XS-430 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 (21-32°C) before application. XS-430 must be applied using high-pressure, plural component, heated, 1:1 by volume, spray equipment with 2100 PSI fluid pressure capability. XS-430 material (both Iso “A” Side and Resin “B” Side) should be heated to 145°F (63°C). Spray equipment must generate adequate fluid pressure for proper mixing and best polymerization results.

APPLICATION EQUIPMENT:

XS-430 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 high-pressure proportional pumping equipment.

Iso “A” Block Heater:	145°F (63°C)
Resin “B” Block Heater:	145°F (63°C)
Hoses (Iso and Polyol):	145°F (63°C)
Equipment Pressure:	2100 psi (165 bars)

MATERIAL STORAGE:

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. XS-430 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.

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	11 – 13 seconds
Vertical hang	13 – 15 seconds
Tack free	78 – 85 seconds
Viscosity @ 77 Deg F	Brookfield DVII+Pro ASTM D 2196
A-side	710±100 spindle #4, 100rpm
B-side	510±100 spindle #4, 100rpm
Specific Gravity	BYK – Gardner ASTM D 1475
A-side	1.12
B-side	1.00
Weight per Gallon	
A-side	9.3 lbs/gal
B-side	8.3 lbs/gal



TECHNICAL DATA SHEET – LINE-X® XS-430

BASIC PHYSICAL PROPERTIES:

Hardness Shore D	ASTM D2240	55 ± 2
Adhesion DTM	ASTM D4541	1,107-1,259 psi
Elongation	ASTM D412	430 - 445%
Tear Strength	ASTM D624	540 - 585 lbs./in.
Tensile Strength	ASTM D412	2800 -3000 psi
Taber Abrasion	ASTM D4060	5 mg loss/1000 cycles CS 17
Density	Cured Sample	61-62 lbs/ft ³
Gardner Impact	ASTM D2794	160 in-lb
Mandrel Bend	ASTM D 522	Pass @ 1/8” No crack
QUV Weatherometer	ASTM G154, Cycle1, UVA-	
340	@ 778 hours	>90%
retention		
Salt Spray Corrosion	ASTM B117 @ 1,169 hours	
	ASTM D 1654 Procedure B	
	Rating of 10 with 0 spots	
	Panel 1 G-XS430	40 mil
	Panel 2 G-XS430	40 mil
	Panel 3 G-XS430 w/XPM	
40mil		
	Panel 4 GXS-430 w/XPM	
40mil		
Color	Amber/Yellow	

LIMITATIONS:

Application-specific processing parameters such as temperature, operating pressure and moisture sensitivity of the substrate must be considered before installing LINE-X XS-430 coating systems. Contact your LINE-X representative before use.

PRODUCT USER RESPONSIBILITIES:

Users of LINE-X XS-430 product are responsible for reading the general guidelines, product data sheets, specifications and material safety data sheets (MSDS) before using these materials. 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. 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.

