

PRODUCT MANUFACTURER:

LINE-X LLC
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GENERAL PRODUCT DESCRIPTION:

XS-310 is a pure polyurea coating with terrific physical properties perfect for applications where extreme impact and abrasion are of concern. XS-310 has high elongation and is very resistant to moisture and has a long cure time, making it perfect for flooring and other surfaces that need a smooth finish, where durability is key, but chemical resistance is not top priority.

APPLICATION GUIDELINES:

Both Iso “A” Side and Resin “B” Side should be preconditioned between 70–90°F before application. XS-310 must be applied using a high pressure, plural component, heated, 1:1 by volume, spray equipment with 2000 PSI fluid pressure capability. XS-310 material, both Iso “A” Side and Resin “B” Side, should be heated between 120-150°F and spray equipment should generate adequate fluid pressure for proper mixing and best polymerization results.

APPLICATION EQUIPMENT:

XS-310 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 can either be sprayed with a 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.

Temperature Setting

Iso “A” Block Heater:	140-160°F
Resin “B” Block Heater:	140-160°F
Hoses (Iso and Polyol):	130-150°F

Hydraulic Pressure Setting

Equipment Hydraulic Pressure:	2,000- 2,500 PSI
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EQUIPMENT CLEAN-UP:

Spray equipment should be cleaned immediately after use and users should follow the equipment

manufacturer’s recommended procedures. Please refer to the spray equipment operating and maintenance procedures for further details. XS-310 should be cleaned with environmentally safe urethane-grade cleaner. 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 under permitted local rules and regulations.

MATERIAL STORAGE:

XS-310 has a shelf life of twelve (12) months from manufacture date in factory sealed containers. XS-310 has to be stored between 65-80°F. Do not expose unused materials to humid conditions; always provide airtight resealed conditions to unused materials. With materials currently connected to the pump, provide as much airtight/moisture-free conditions to unused materials as possible to ensure proper chemical performance. Drums should be stored on pallet to avoid direct contact with 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 the safety recommendations per MSDS. All Personal Protection Equipment must be properly worn to protect worker health and safety.

CHEMICAL TECHNICAL DATA:

Mix Ratio by Volume:	1A:1B
Gel Time:	10-12 Sec
Viscosity (cPs) @ 77°F.	
“A” Iso Side:	550±50
“B” Resin Side:	350±50
Specific Gravity	
“A” Iso Side:	1.12
“B” Resin Side:	1.01
WPG	
“A” Iso Side:	9.31
“B” Resin Side:	8.40



BASIC PHYSICAL PROPERTIES:

<u>Test Name</u>	<u>Test Methods</u>	<u>Value</u>
Hardness Shore D	ASTM D2240	55-58
Elongation %	ASTM D412	200-225
Tensile Strength, psi	ASTM D412	2950-3150
Taber Abrasion (mg/1000 cy)	ASTM D4060	10
Tear Strength, pli	ASTM D624	635-695
Density (lbs/ft ³)	ASTM	61-63
Gel time (sec.)		10-12
Tack Free (sec.)		13-15

PRODUCT USER RESPONSIBILITIES:

Users of LINE-X XS-310 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. For additional information or for current technical data instructions, contact a LINE-X representative or visit www.LineX.com.

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.

