

PRODUCT MANUFACTURER:

LINE-X LLC
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GENERAL PRODUCT DESCRIPTION:

LINE-X XS-470 is a two-component, aromatic polyurea spray elastomer system that contains zero VOC (Volatile Organic Compounds) and it is 100% solids. XS-470 offers outstanding performance and superior elastomeric protective coatings for various substrates.

XS-470 is designed as a user-friendly product for moisture insensitive applications because of its polyurea chemistry, and offers exceptional adhesion properties for properly prepared substrates. The high performance formulation of XS-470 produces an excellent barrier 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-470 must be applied using high-pressure, plural component, heated, 1:1 by volume, spray equipment with 2000 PSI fluid pressure capability. LINE-X XS-470 material (both Iso "A" Side and Resin "B" Side) should be heated between 120-150°F (49-65°C). Spray equipment must generate adequate fluid pressure for proper mixing and best polymerization results.

APPLICATION EQUIPMENT:

XS-470 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 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. XS-470 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-470 has a shelf life of twelve (12) months from manufacture date in factory sealed containers. XS-470 should be stored between 60-100°F (16-38°C). 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:	6-9 seconds
Tack Free Time:	9-12 seconds
Viscosity (cps) @ 77°F/25°C	
"A" Iso Side:	1300 ± 200
"B" Resin Side:	350 ± 100
Specific Gravity	
"A" Iso Side:	1.13
"B" Resin Side:	1.01
"A" Iso Side:	9.4 lbs/gal
"B" Resin Side:	8.4 lbs/gal



BASIC PHYSICAL PROPERTIES:

Hardness Shore D	ASTM D2240	43-46
Elongation	ASTM D412	280-300%
Tear Strength	ASTM D624	570-625 lbs./in.
Tensile Strength	ASTM D412	2300-2360 psi
Taber Abrasion	ASTM D4060	13 mg loss/1000 cycles
Density	ASTM	60 lbs/ft ³

LIMITATIONS:

Application-specific processing parameters such as temperature, operating pressure and moisture sensitivity of the substrate must be considered before installing XS-470 coating systems. Contact your LINE-X representative before use.

PRODUCT USER RESPONSIBILITIES:

Users of LINE-X XS-470 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 or visit our website at www.LineX.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 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.

