



A Specially Formulated Sprayable LINER Resin made out of Polyurea and Polyurethane System

**DESCRIPTION:**

**LINEX XS-350 ( PAXCON )** is a two-component spray in place flexible 100 % solids Thermoplastic (TPU) Polyurethane and Polyurea system. It is designed for processing through LINEX Dispensing Equipment . It is a fast set, fast cure, textured surface , multi – purpose material, designed for commercial and industrial applications. It exhibits excellent adhesion to most materials including Steel Concrete , Wood , Fiber Glass, Epoxies as well as LINE-X Materials . It is suitable as a Protective– Abrasive – Impact Liner for Pipelines, Tanks , industrial Floors, Sea Water Vessels, Helicopter Decks, Trucks, Buses and Trains and **APPROVED FOR BLAST MITIGATION**

**FEATURES:**

- Continuous , seamless and monolithic Liner for flat, curved and sharp cornered surfaces.
- Fast set 3-5 sec at any thickness without intervals starting with 250 to 50,000. μ m.
- Used with fresh Concrete and high Humidity.
- Fast cure for service at ambient temperature after 24 hours.
- No volatile organic content , 100 % solids , environmentally friendly .
- High Resistance to Sun UV and severe weather conditions .
- High Resistance to broad range of Chemicals ,Sea Water, Crude Oil and Sewage.
- Outstanding Abrasion resistance , Impact strength , Tensile Strength , Tear strength and high Elongation percent .
- High electric resistance (18 kw @ 1, 500 μ m ) High Di – Electric Strength and approved Cathodic Disbondment for Petroleum Applications .

**PHYSICAL PROPERTIES ( - 40 °C UP TO 179 °C )**

Properties @ 24 ° C	ASTM Test	Value	Unite
Density	D- 1622	1.123	Gm / cm <sup>3</sup>
Permeability	E - 96	None	Grain / hr. / m <sup>2</sup>
Hardness	D- 2240	87 / 60	Shore (A) / Shore ( D)
Abrasion Resistance	D - 4060	0.6 %	Per 1000 cycles
Tensile Strength	D - 2370	20.4	N / mm <sup>2</sup>
Shear Strength	D – 732	21.94	N / mm <sup>2</sup>
Elongation	D - 2370	475.0 %	Percent
Tear Resistance( pli )	D - 1004	301.3	N ( load )
Impact Strength	G - 14	Pass	
Adhesion	D - 4541	25.0	Mpa
Holiday	D - 5162- 91	> 3.0	KV
Pin hole	DIN 30670	Free	
Cathodic Disbondment		7.6	mm Diam

**Colors :** Black , Natural ( creamy ) or Pigmented using LINEX Pigments by adding and mixing with the B component up to the ratio 1 : 15

**Surface Finish :** Glossy Orange Peel or Textured ( Medium or Anti Skid )



Good - Excellent CHEMICAL RESISTANCE With

1	Ammonium Chloride	30 %	E	16	Acetic Acid	10 %	G
2	Brine Solution	30 %	E	17	Ammonia ( conc )		G
3	Calcium Chloride	50 %	E	18	Automotive Oil		G
4	Citric Acid	10 %	E	19	Bleach ( chloride )		G
5	Crude Oil		E	20	Caustic Soda	30 %	G
6	Formic Acid	5 %	E	21	Diesel		G
7	Phosphoric Acid	100 %	E	22	Ethyl Alcohol	20 %	G
8	Potassium Hydroxide	50 %	E	23	Hydrochloric Acid	25 %	G
9	Sea Water		E	24	Hydrogen Peroxide	10 %	G
10	Sodium Sulfate	30 %	E	25	Hydraulic Fluid		G
11	Sodium Chloride Solution	30 %	E	26	Gasoline ( leaded )		G
12	Sodium Hydroxide	20 %	E	27	Kerosene		G
13	Soap Solution	5 %	E	28	Nitric Acid	5 %	G
14	Sugar Solution	30 %	E	29	Sodium Carbonate	10 %	G
15	Water De-ionized		E	30	Sulfuric Acid	25 %	G

### LIQUID CHIMICAL PROPERTIES AT 24 °C ( 75 °F )

Property	ASTM Specs	Value	Unit
Viscosity , component A	D - 1638	600 ± 100	cps.
Viscosity , component B	D - 1638	1100 ± 100	cps.
Specific Gravity , com. A	D - 1638	1.15	Gr./ cc
Specific Gravity , com.B	D - 1638	1.08	Gr./ cc
Mixing Ration A : B		50 : 50	By Volumm

#### **RECOMMENDED USES :**

Recommended for use with the following Mediums and Applications

#### **MEDIUMS :**

CRUDE OIL , KYROSINE, DIESEL FUEL, LUBURICATION OIL , SEWAGE DIESEL , SEA WATER , and Other CHEMICALS .

#### **APPLICATIONS :**

- Protection of Properties and Lives from near by Bomb Blasts( Approved Protective Coating of the U.S.A Pentagon.
- Internal and External Protective Coating of Pipes .
- Lining of Tanks, Tankers and Tanker Trucks.
- Lining of Refrigerated Stores and Trucks.
- Protective Coating for Underground Foundations.
- Industrial Floors, Parking Garages and Helicopter Decks.
- Water Proofing of Roofs, Swining Pools.
- Secondary Containment for Tanks, Lakes, Rivers and Lagoons.
- Walkways, Top Floors of Ships, Submarines and Fishing Boats.
- Floors, Roofs and Luggage Compertment for Buses and Trains.
- Bed – Liner for Trucks and Loaders.
- External Coating for Sea – Land Vehicles.

