

ULTRA-FLEX ECO 5000

An Ecologically Friendly Liquid Applied Polyurethane Waterproofing Membrane for Containment and Construction



“ULTRA-FLEX ECO 5000 an ECO Friendly Urethane Coating”
ULTRA-FLEX ECO 5000 is a high tensile strength, weather and UV resistant liquid applied membrane that provide outstanding flexibility and adhesion. Its properties deliver outstanding performance and durability in a broad range of industrial coatings applications.
ULTRA-FLEX ECO 5000 is suitable for wastewater and secondary chemical containment.
ULTRA-FLEX ECO 5000 is highly resistant to many acids and alkalis and corrosive substances. (See Chemical Resistance Chart.)



ULTRA-FLEX ECO 5000 CHEMICAL RESISTANCE CHART

The adjacent will provide general exposure guidelines as to the resistance of ULTRA-FLEX ECO 5000 against certain chemicals and combinations. Although this information is believed to be reliable. LAVA-LINER, LTD., may not have any particular application, installation, or exposure experience of ULTRA-FLEX and suitable tests should be carried out by the user.

Where concentrations of chemicals are listed, the rating applies to all concentrations up to and including the concentration indicated. Maximum temperature for continuous service in some specific atmospheres is 140° F (60°C). For most applications, however, maximum service temperature is much higher. Consult your LAVA-LINER representative for actual use recommendations.

FOOTNOTE

R - Recommended/suitable continuous

CR - Conditionally recommended/
for splash/spill conditions

1 - Max. service temp. limited to 100° F

2 - Max. service temp. limited to 150° F.

PHYSICAL PROPERTIES	RESULTS	TEST METHOD
Density, pcf	63	ASTM D1474
Tensile Strength, psi	>3100	ASTM d412
Elongation, %	130	ASTM D412
Tensile Modulus, psi	1321	ASTM D412
Shore D Hardness	40-50	ASTM D2240
Moisture Vapor Transmission	0.02	ASTM E96
Volatile Organic Content	94 g/l	ASTM D3960

Acetic Acid, Glacial	CR
Acetic Acid, >15% <30%	R1
Acetic Acid, >5 % <10%	R
Ammonium Hydroxide,> 50%	NC
Ammonium Hydroxide, < 15%	R1
Biological Oxidation Ponds	R
Bromine, Saturated	R
Chromatic Acid 7%	CR
Sulfuric Acid 6%	CR
Chlorine, Saturated	R
Citric Acid, > 15%	R
Copper Sulfate (Sat.) Solution in Water	R
Crude Oil	NC
Deionized Water	R
Diesel Fuel	NR
Ethylene Glycol (Antifreeze)	R
Ferric Chloride, >54%	R2
Hydrochloric Acid (muriatic). < 15% Solution in Water	R
Hydrogen Sulfide, Vapor37%	CR
H2O, Fresh	R
Hydrogen Sulfide, Vapor Over Saturated Solution	CR
Methanol	CR
Nitric Acid, 10%	R
Phosphoric Acid, 10%	R
Sewage Disposal Plant (Activated Sludge Sedimentation Tanks) R Salt	R
Sodium Dichromate 12%	R
Sodium Hydroxide 10%	R1
50% 72 hrs	R1
40% 48 hrs	R2
Sodium Hypochlorite, 5.25%	R
Soil Burial	R
Sodium Silicate, < 41 %	R
Sulfuric Acid, 5%-40%	R
Trisodium Phosphate< 10%	R
H2O	R



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