

TECHNICAL DATA

www.internationalepoxies.com

INTER-LINER Hybrid UV™ Aliphatic Polyurea Hybrid Coating

INTER-LINER Hybrid UV is a two component, 100% solids, aliphatic polyurea hybrid durable coating with excellent UV resistance that is used to protect against abrasion, corrosion, chemicals, and provide anti-skid protection. **INTER-LINER Hybrid UV** offers high tensile strength and impressive elongation. Will not crack, peel or warp when permanently bonded to a properly prepared surface.

Applications: Truck bedliners, undercoating, rocker panel protection, floor pans, trunk lining, truck fender protection, dump trucks beds, recreational vehicles, emergency vehicles, utility trailers, horse trailers, anti-skid floor applications, decks, steps, mining equipment preservation, solid waste handling equipment, water and sewage treatment equipment, tanks, pipes, hoppers, agriculture equipment, military blast protection, architectural structures, commercial fishing boats, pleasure crafts and many more.



AVAILABLE:	8710	1500ml Dual Cartridge - Black (with one Medium spray mixer)	6/case
	8711	1500ml Dual Cartridge - Gray (with one Medium spray mixer)	6/case
	8747	Fine Static Mixer Atomizer	6/pkg
	8736	Medium Static Mixer Atomizer	6/pkg
	8741	Heavy Static Mixer Atomizer	6/pkg
	96217	HSS Regulator Kit (for #96218 gun)	1/case
	96218	Pneumatic Gun - Disp. 1500ml 1:1	1/case
	96218WR	Pneumatic Gun - Disp. 1500ml w/regulator	1/case

PHYSICAL PROPERTIES

Color:	Black or Gray
Coverage:	Each case of six (1500 ml kit) will cover 100 sq./ft. @ 38mil
Gel Time (sec) @ 77°F:	49 seconds
Tack Free (minutes) @ 77°F:	3.35 minutes
Walk On Time @ 77°F:	1 Hour
Light Duty Time @ 77°F:	8 Hours
Heavy Duty/Full Cure Time @ 77°F:	24 Hours
Tensile Strength: ASTM D-412	
Strength (p.s.i. at break):	1900
Elongation (% at break):	120
Tear Resistance: ASTM D-624	
Die C Tear Resistance (pli):	190
Split Tear (pli):	65
Shore Hardness:	D (1/5 sec readings): 48/44
Taber Abrasion Test:	Excellent
1000 cycles H-18 wheel 1 kg, Mg. Loss	379

UV WEATHERING TEST (Florida, color black)

Direct Sun-5 deg angle south, ASTMJ1960 Weatherometer results: 2 years - excellent gloss and color retention

LIQUID PROPERTIES

Viscosity @ 25°C (cps) *	
Polyol Component	2892
Polyisocyanate Component	510
Brookfield Viscometer Spindle Size SV II St	
Exotherm Peak Temperature	175°F
100 gram mass	
Density:	
Polyol Component	1.16
Polyisocyanate Component	1.11

SHELF LIFE: 6 months from date of purchase

APPLICATION TEMP: approx. 60°F to 85°F

SERVICE TEMPERATURE: -40°F to 250°F

STORAGE TEMP: approx. 50°F to 80°F

CHEMICAL RESISTANCE

KEY:

NE = No Effect
ST = Staining
DC = Discoloring
Ds = Destroyed

S = Softening
Sw = Swelling
Dg = Downglossed
R = Recovered

	6 Hour Exposure							12 Hour Exposure									
	NE	ST	DC	Ds	S	Sw	Dg	R	NE	ST	DC	Ds	S	Sw	Dg	R	
IPA						●	●	●							●	●	●
Methanol						●	●	●							●	●	●
MEK						●	●	●							●	●	●
Toluene						●	●	●							●	●	●
PMA						●	●	●							●	●	●
DI Water	●								●								
Gas						●	●	●							●	●	●
Diesel		●								●							
WD-40	●								●								
Oil 30-W	●								●								
Skydrol						●	●	●					●	●	●		
HCL 37%					●		●	●					●	●	●		
HCL 10%	●								●								
Acetic Acid					●		●	●					●	●	●		
Acetic Acid 5%							●	●							●	●	
Nitric Acid 20%							●	●					●	●	●		
Sulfuric Acid 50%							●	●							●	●	
Sodium Hydroxide 50%	●								●								
Ammonium Hydroxide 50%	●								●								
Aniline		●				●				●				●			
NaCl 10%	●								●								

LIMITED WARRANTY - International Epoxies & Sealers (IES) warrants that Inter-Liner and Inter-Liner Hybrid UV products will be free from defects in material and workmanship and when used in accordance with the Inter-Liner directions, that it will not crack, bubble or peel. IES shall not be liable for any problems or claims arising from: faulty installation, malfunction, misuse, misapplication, applicator error, negligence, accidents, ancillary or collateral damage. IES's entire liability under this warranty will be to replace any Inter-Liner Product at no charge in which IES has determined the product to be defective.