

DESCRIPTION

Ultra COAT™ is a spray-applied plural component, pure polyurea elastomer with a unique synergy of water and alcohol based chemistry that can be used as a stand-alone product or as a topcoat over aromatic polyureas, polyurethanes and hybrids.

Ultra COAT™ is formulated for many industrial and commercial applications. This highly cross linked elastomer offers an economical alternative to pure aliphatic or polyurea protective coatings.

FEATURES AND BENEFITS

- 20 Year Limited Warranty
- 100% Solids (No Solvents or VOC's)
- 100% Ultraviolet (UV) Resistant
- NFPA and UBC Class I Fire Rating Compliant
- ASTM E84-97a
- Forms a seamless membrane that can be handled and walked on twenty (20) seconds after application.
- Rapid set allows for vertical applications
- Hydrophobic, therefore unaffected by damp, cool surfaces during application
- Spray applied with unlimited thickness in a single application
- Resilient to solvents and mild Acids / Bases
- Superior color stability and gloss retention compared to aromatic elastomers
- High temperature stability with a dry working temperature of up to +200° F (+93°C) and intermittent temperatures up to +250° F (+121°C)
- High Abrasion Resistance and Zero Static Conductivity
- Non-Skid coating is available as an option

RECOMMENDED USES

- Spray applied coating for concrete, steel and other substrates.
- Spray applied liner for concrete tanks, various pits, wastewater, landfill, waste treatment, cooling ponds and lagoons.
- Replace or repair failed sheet membrane liners.
- Encapsulation material for EPS, asbestos, lead paint or other dry hazardous materials.
- New or existing subgrade, slabs, walls, and columns.
- New construction projects
- Rehabilitation projects
- Earthen containment lining used with or without Geotextile.

COLORS

Ultra COAT™ is available in an industrial color of black.

TECHNICAL SPECIFICATIONS

WET PROPERTIES @ 77°F (25°C)	
Volatile Organic Compounds	0 lbs/gal (0g/l)
Number of Coats	One (1)
Mix Ratio	Single component
Viscosity (cps) @ 77° F (25 °C)	A: 850 approx. B: 550 approx.
Shelf Life @ 60-90°F (15-32°C)	Six months

DRY PROPERTIES* 60 mils (1.524 mm)		
Tensile Strength ASTM D 638	4,143 psi +/- 5	
Elongation ASTM D 638	811.8% (avg.)	
Hardness (Shore D) ASTM D 2240	48 +/- 5%	
Hardness (Shore A) ASTM D 2240	19 +/- 5%	
100% Modulus ASTM D 412	966 psi +/- 5	
300% Modulus ASTM D 412	1,517 psi +/- 5	
Tear Resistance ASTM D 624	498 PLI	
Service Temperature	-50°F - +380°F (-45°C +93°C)	
Abrasion Resistance ASTM D 4060 1000g – 1000 cycles	H-17 wheel	22.5 mg loss
	H-11 wheel	35 mg loss
	H-21 wheel	48.4 mg loss
	CS-17 wheel	21.1 mg loss
Weatherability (black) 4000 hours (QUV-B)	No evidence of failure	

**All dry film properties are approximate because of processing parameters, as well as add mixture types and quantities will change physical properties of cured elastomer.*

CURING SCHEDULE	
Gel	20 Seconds (± 3 seconds)
Tack Free	3 Minutes (± 1 minutes)
Post Cure**	24 Hours
Recoat	0 -12 Hours

***Complete polymerization to achieve final strength can take up to several weeks, depending on a variety of conditions.*

Ultra COAT™ is a spray-applied coating with enhanced tensile and elongation properties. It is delivered by ATI's patented specialized equipment capable of producing dynamic pressures in excess of 6000 PSI and 300° (F).

