



ALL TECH INDUSTRIES

Ultra COAT-COLOR™

Color

DESCRIPTION

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

Ultra COAT-COLOR™ is formulated using amine terminated polyether resins, amine chain extenders, and aliphatic and aromatic prepolymers. For many applications this highly cross linked elastomer offers an economical alternative to pure aliphatic 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 ten (10) 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
- High temperature stability 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-COLOR™ is available in a wide array of colors. Contact ATI for details. Custom colors are available.

TECHNICAL SPECIFICATIONS

WET PROPERTIES @ 77°F (25°C)

Solids by Volume	100%
Solids by Weight	100%
Volatile Organic Compounds	0 lbs/gal (0g/l)
Number of Coats	1-2
Mix Ratio	1 "A": 1 "B"
Viscosity (cps) @ 77° F (25 °C)	A: 620 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	5,243 psi (36.1 mpa) +/- 5%	
Elongation @ 72°F (22°C) ASTM D 638	488% (avg.)	
Hardness (Shore D) ASTM D 2240	53 +/- 5%	
Hardness (Shore A) ASTM D 2240	96 +/- 5%	
100% Modulus ASTM D 412	1,100 psi (7.5 mpa) +/- 5%	
300% Modulus ASTM D 412	1,738 psi (11.9 mpa) +/- 5%	
Tear Resistance ASTM D 624	519 PLI (91 KN/m)	
Service Temperature	-50°F - +200°F (-45°C +93°C)	
Abrasion Resistance ASTM D 4060 1000g – 1000 cycles	H-18 wheel	20.5 mg loss
	H-10 wheel	33 mg loss
	H-22 wheel	46.4 mg loss
	CS-17 wheel	19.1 mg loss
Weatherability (black) 4000 hours (QUV-B)	No evidence of failure	

**All dry film properties are approximate since processing parameters, as well as added mixture types (i.e. colors) and quantities will change physical properties of cured elastomer. All samples for above tests were force cured or aged for more than three weeks.*

CURING SCHEDULE

Gel	6 Seconds (± 1 second)
Tack Free	13 Seconds (± 3 seconds)
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-COLOR™ is a spray-applied coating with exceptional tensile properties. It is delivered by ATI's patented specialized equipment, which is capable of producing pressures in excess of 6000 PSI at 300° (F).

