

Interior / Exterior 2-Component, Acrylic, Aliphatic, Low Sheen Polyurethane Finish Architectural Coating - Specialty

Description

Ure-Tech is an innovative interior/exterior 2-component polyurethane low sheen finish designed for hospitals, healthcare facilities and food processing plants where frequent cleaning with harsh chemicals is commonly encountered.

Ure-Tech is formulated using Bayhydrol® HD Wall Coating Technology from Bayer Material Science Co. This advanced technology has allowed Vista Paint to formulate an exceptional abrasion resistant coating with very low VOC. Ure-Tech is virtually odor free, will not yellow and offers both interior and exterior durability.

Recommended Uses

FOR PROFESSIONAL USE ONLY. **Ure-Tech** is ideal for specification and application in healthcare facilities, food processing facilities, industrial and high usage public areas.

The high performance chemical resistance product composition and film strength of Ure-Tech allows the use of most disinfecting chemicals designed to combat MRSA and other bacteria.

Colors

White, Off-White and Pastel
Bases: P

Packaging

One Gallon Kit:

Part A: Resin (short fill gallon / 104 oz.)

Part B: Activator (short fill quart / 22 oz.)

*shelf life for both Part A & B is 6 months from date of purchase.

Finish

Low sheen, sheen @ 60° = 8.0 - 12.0%

Surface Preparation

New: Clean to remove all contaminants, dirt and dust. Apply one coat of primer to seal surface.

Repaint: Clean to remove all surface contaminants, de-gloss old enamel surfaces. For damaged or stained surfaces apply one coat of primer.

Primer

Drywall:	8000 Carefree Prime-ZALL
Cementitious:	8000 Carefree Prime-ZALL
Wood	8000 Carefree Prime-ZALL
	8600 Polytec Primer
Ferrous Metal:	8600 Polytec Primer
	White
	8610 Polytec Primer
	Red Oxide
	9600 Protec Metal Prime
Non-Ferrous Metal:	4800 Metal Pro Primer
	8600 Polytec Primer
	White
	8610 Polytec Primer
	Red Oxide

Application

Mix Ure-Tech 2-component polyurethane part B into Part A (**WARNING: part B contains polyisocyanate, a chemical that is considered a respiratory and skin sensitizer. Read MSDS carefully for proper handling.**) Mix well for 5 minutes (*if using a hand mixer, be careful not to induce foam.*) Let mixture stand for 10 minutes before application. **DO NOT mix partial kits.** If necessary, the 2nd coat may be applied wet on wet at the time of application. Do not try to 2nd coat already cured material (*more than 24 hours*), adhesion will be compromised. To re-coat cured surface, sanding would be required to ensure proper adhesion. In projects lasting more than one day, you must achieve a clean break point to avoid overlapping the next day.

Roller Application: use 3/8"-1/2" nap high quality roller such as lamb skin roller; start at one corner, spread the paint evenly, then back roll in one direction to "tighten up" that section. Immediately wash brush and equipment with soap and water when finished.

Spray Application: use airless, and .13 tip. Use OSHA approved mask and personal protection (*see MSDS for more information.*) To avoid sag on smooth surfaces, stay within 5 mils wet. Wash spray equipment immediately after use.

Pot Life: 2 hours

Drying Time

Tack Free:	4 hours (@75°, lower temperature will prolong dry time)
Hard:	16 hours (@75°, lower temperature will prolong dry time)
Cure:	5 days

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Coverage

Up to 350 square feet per gallon, depending on porosity and texture of the surface.

Mil Thickness

Wet = 4.5 - 5.0 Dry = 2.0

Thinning

Use at package consistency. If thinning is required, use water sparingly.

Composition

Weights & Measurements +/-3.0%

Solids by Volume:	42.0%
Solids by Weight:	56.0%
VOC:	<50 g/l
Weight Per Gal:	11 lbs.
Viscosity:	88 - 94 KU

Test Results Properties:

Properties:

Adhesion over steel after 1 week	Excellent 5B*
Adhesion over aluminum after 1 week	Excellent 5B*
Adhesion over unsanded aged alkyd after 1 week	Excellent 5B*
Adhesion over glass after 1 week	
Yellowing	None
Household Stain Resistance after 1 week	
Coffee	Good**
Red Wine	Good**
Mustard	Good**
Ketchup	Excellent**
Betadine Solution (Iodine)	Good**
Scrub Resistance without shims after 1 week	Over 12,000 cycles***

Test Results (continued)

Properties:

Chemical Resistance after 1 week	
MEK	over 250 rubs
Acetone	over 250 rubs
Isopropyl Alcohol	over 250 rubs
Bleach (Chlorine)	over 250 rubs
Hydrogen Peroxide	over 250 rubs
Complete Detergent	over 250 rubs
Simple Green Cleaner	over 250 rubs
Krud Kutter	over 250 rubs
Mr. Clean Antibacterial	over 250 rubs
Jasco TSP	over 250 rubs
Pencil Hardness ASTM D 3363	2H
Accelerated Weathering Test: ASTM D4587 QUV A-bulb 2000 hours	No chalking, 100% sheen retention
Flexibility: Mandrel Test ASTM D 522	pass 1/4"

* ASTM D 3359 Cross-Hatch
5B = 0% area removed
0B = Greater than 65% area removed

**ASTM D 4828 Washability
Excellent = Stain did not penetrate into film
Good = Stain penetrated film, but removed after scrubbing
Poor = Stain penetrated film and remained after scrubbing

***ASTM D 2486 Scrub Resistance at 12,000 scrubs with no noticeable film degradation.

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings.
MPI - #252



Products bearing this logo are Non-EG Certified. Ethylene Glycol (EG), is listed as a toxic air contaminant and hazardous pollutant. EG is a solvent used in some water-based paints. Vista Paint has replaced EG with non-toxic alternative solvents. Any Vista Paint product with this logo is formulated without EG (Non-EG).



Vista Paint is the industry leader when it comes to relying on renewable energy. At Vista Paint, our products are manufactured using 100% solar energy.

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