

Interior/Exterior 2-Component, Acrylic, Aliphatic, Semi-Gloss Polyurethane Finish

Architectural Coating - Specialty

Description

Ure-Tech is an innovative interior/exterior 2-component polyurethane semi-gloss 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/106 oz.)

Part B: Activator (short fill quart/20 oz.)

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

Finish

Semi-Gloss, sheen @ 60° = 60 – 64%

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, degloss 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
Ferrous Metal:	9600 Protec Metal Primer
Non-Ferrous Metal:	4800 Metal Pro Primer

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 (at 75°, lower temperature will prolong drying)
Hard:	16 hours (at 75°, lower temperature will prolong drying)
Cure:	5 Days

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Coverage

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

Mill Thickness

Wet = 4.5 - 5 Dry = 2

Thinning

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

Composition

Weights & Measurements +/-3.0%

Solids by Volume:	42%
Solids by Weight:	56%
VOC (Part A + Part B):	< 50g/l
Weight Per Gal:	11 lbs.
Viscosity:	88 - 94 KU

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings

LEED - complies with LEED 2009
-Low Emitting Materials

Test Results

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	Excellent 5B*
Yellowing	None

Test Results (continued)

Properties:

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***

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.

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