

PRODUCT DESCRIPTION

E2U UV Cure Top Coat has virtually zero odor and VOC. The ideal applications are hospitals, restaurants, kennels, veterinary facilities, and retail that cannot afford downtime. It is a single component, extremely chemical, abrasion and stain resistant with an advanced technology. Substrates cure instantly once ultraviolet-light hits, allowing for Same Day Return to Service. It is low viscosity and non-yellowing. It can be installed in extremely high or low temperatures. E2U UV Cure Top Coat has a dye indicator to provide visible evidence that the floor coating is properly cured, and to visibly demonstrate differences in coating thickness. E2U UV Cure Top Coat is available in Gloss and Satin. For Satin Finish, Grit must be added to the liquid.

ADVANTAGES

- Cures in Seconds
- Superior Chemical and Abrasion Resistance
- Non-Yellowing
- Extremely Durable
- Same Day Return to Service
- Virtually no Odor or VOC
- Low viscosity
- Gloss and Satin finish available

APPLICATIONS

- Pharmaceutical
- Food Prep/ Kitchens
- Garage Floors
- Restrooms
- Manufacturing plants
- Aisle ways
- Clean Rooms
- Auto showrooms
- Schools
- Laboratories
- Basements
- Kennels
- Veterinary facilities
- Locker rooms
- Ramps
- Health Care facilities
- Loading docks
- Car wash facilities

PACKAGING

3 GALLON

PRODUCT DATA

Volumetric Ratio	100%
Volumetric Solids	100%
Coverage	varies on type of surface you're coating. 100 - 150 sqft /gal
Application	25°-120°F
Temperature Thinning	Not Required
Pot Life	n/a
Working Time on Floor	unlimited
Cure Time	Instant with UV light
Critical Re-Coat Time	None
USDA Food & Beverage	Meets Req

TYPICAL PROPERTIES

PROPERTY	
Appearance	Blue Liquid
Total Solids(% by weight)	100
Total Solids (% by volume)	100
Surface Tension, Dynes/cm	40
Viscosity (Brookfield LVF), cps @ 25° C	600
Density (lbs/gallon)	8.32
Specific Gravity	1.0
Flash Point (C Pensky-Martens closed cup)	<110 °C 230 °F
Freeze/Thaw Stability	N/A
Thermal Stability (28 days @ 52° C)	No Effect
Mechanical Stability	Excellent
VOC (g/l)	0
VOC (by Weight)	0
Compressive Strength, psi	12,000
Tensile Strength, psi	7000
Elongation	8%

CONCRETE PREPERATION

Before coating is applied, concrete must be:

- Dry – No wet areas
- Clean – Contaminants removed
- Profiled – 30 Grit Diamond Grinding
- Sound – All cracks and spalled areas repaired

Mechanical preparation is the preferred method of preparing concrete for coating application. Shot-blasting, diamond grinding, are all acceptable methods.

PATCHING

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. Patch concrete with Easy Patch. After the patching material is cured, diamond grind patch. If a non-patching material is used, contact a technical representative for a compatible and approved alternative.

MOISTURE VAPOR EMISSIONS WARNING

All concrete floors without effective moisture vapor barrier are subject to possible moisture vapor transmission that may cause blistering and failure of the coating system. It is the applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine vapor emissions prior to applying any coating. Epoxy2U can supply moisture remediation products, MVB15 (MOISTURE VAPOR BARRIER). EPOXY2U, sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

STORAGE

Do not expose the product to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. Keep container tightly closed.

CLEAN UP

While in an un-reacted state, may be cleaned up with xylene, methyl ethyl ketone, Isopropyl alcohol or acetone. Once the material is cured with the approved UV light source it can only be mechanically removed.

WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slipresistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. E2U Flooring recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. E2U or its sales agents will not be responsible for injury incurred in a slip and fall accident.

Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

WARRANTY

E2U products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.

KEEP OUT OF REACH OF CHILDREN



FILM PROPERTIES

PHYSICAL PERFORMANCE PROPERTIES OF DRY FILM

All tests were conducted on 2.0 to 2.5 mil films, and air-dried for 7 days at room temperature.

PROPERTY	VALUE
Hardness (Pencil/Sword)	3H/70
Taber Abrasion (mg loss per 100 cycles, CS-17 wheel, 1000 load)	52
Impact Resistance (Direct/Reverse)	140/140 (lbs)
Crosshatch Adhesion (Untreated Cold Rolled Steel/Untreated Aluminium)	100%/100%

CHEMICAL TEST

Acetic Acid, 10%	SC
Acetone	SC
Aluminum Chloride	Excellent
Ammonium Hydroxide, 28%	SC
Arahide Oil (Vegetable Oil)	Excellent
Calcium Chloride, 30%	Excellent
Calcium Hypochlorite 30%	Excellent
Chlorine (Wet or Dry)	SC
Clorox Full Strength	SC
Coffee	Excellent
Diethyl Phthalate	Excellent
Eosin (Red Dye) (2%)	SC
Ethanol (50%)	Excellent
Formaldehyde, 37%	SC
Formic Acid, 10%	SC
Gasoline	Excellent
Glycerin	Excellent
Hot Tire Pick-up Resistance	Excellent
Hydrochloric Acid, 10%	Excellent
Hydrochloric Acid, 37%	Good
Hydrogen Peroxide, 6%	SC
Isopropyl Alcohol	SC
Ketchup	Excellent
Lactic Acid, < 20%	Excellent
Mineral Spirits	Excellent
Mustard	SC
Nitric Acid, 10%	Excellent
Phosphoric Acid, 50%	Excellent
Potassium Hydroxide	Excellent
Sodium Hydroxide, 50%	Excellent
Sodium Hypochlorite, 15%	SC
Sulfuric Acid, 10%	Excellent
Sulfuric Acid, 30%	Excellent
Trichloroethylene	Good
Trisodium Phosphate	Excellent
Urea	Excellent
Urine	Excellent

*SC (Spill & Clean - Require immediate removal)