



URECO HD
SELF LEVELING 1/8" TO 1/4"
TDSHDEN.V02

PRODUCT DESCRIPTION

URECO HD is a self leveling heavy duty floor topping copolymer resin epoxy system. URECO HD is designed to withstand moderate chemical and severe mechanical abuse while providing abrasion resistance. It is designed specifically for use with URECO GTC epoxy or URECO NTC novolac topcoat flooring in order to maintain the same standards of resistance to abrasion and chemical attack. This system is typically installed between 3-6 mm. (1/8-1/4 in.) thickness.

BENEFITS

- Odorless
- Easy application
- Superior mechanical abuse
- Superior adhesion
- Good chemical resistance
- Easily cleaned, maintained and a more sanitary work environment
- No ventilation required

COLORS

URECO HD is available in six (6) standard colors :
Very Light Gray, Light Gray, Steel Gray, Deep Blue, Desert Tan and Tile Red

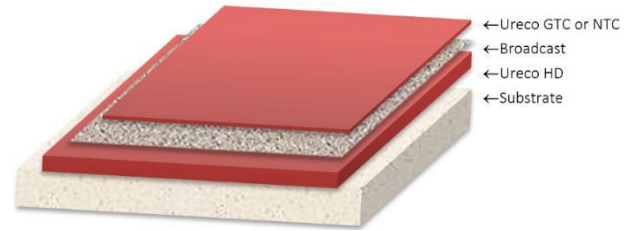
TYPICAL USES

URECO HD is designed to protect concrete, polymer reinforced screeds and mild steel from mechanical abuse, chemicals, corrosion and impact. It is used in combination with URECO GTC or NTC to provide a totally seamless floor. Typical areas of application:

- Food processing areas
- Pharmaceutical
- Industrial
- Automotive service bays
- Institutional buildings
- Commercial buildings
- Hospital
- Residential
- Aerospace
- Aisles

EPOXY FLOORS AMERICA

5601 S Triple X Rd,
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73020



TECHNICAL INFORMATION

Colors	6 standard colors
Cure Time @ 21°C	
Foot traffic	10-14 hours
Light wheel traffic	24-48 hours
Full service	4-5 days
Mix Ratio (by volume)	
100 sq.ft. kit	Liquid A-B 7.5 gal Quartz agg. 200 lbs
1000 sq.ft. kit	Liquid A-B 75 gal Quartz agg. 2000 lbs
Coverage (base on 1/4" thickness)	A unit will yield 100 sq.ft. kit (A&B) 1000 sq.ft. kit (A&B) Quartz aggregate sold separately
Pot Life @ 25°C	20-25 minutes
Solid by weight	100
VOC Content	< 20g/L
Service temperature	between 15°C and 25°C
Toxicity	Non-toxic, Odorless No ventilation required

PHYSICAL PROPERTY TEST METHOD RESULT

Abrasion Resistance		
Taber H 10 Wheel 1000 GM	ASTM D-4060	22 mg
Load 1000 Cycles		
Bond strength	ASTM D-4541	> 300 psi (substrate failure)
Coefficient of Friction	ASTM D-2047	
Standard Slip Resistant		0.77
Compressive Strength	ASTM C-579	11 500 psi
Flexural Strength	ASTM D-580	4 500 psi
Hardness (Shore D)	ASTM D-2240	85-90
Impact resistance	MIL D-3134	pass
Tensile Strength	ASTM D-638	2 200 psi

Pot life is shorter at higher temperature and relative humidity. Do not use below 5°C or above 30°C.

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SURFACE PREPARATION

Surface Substrate must be profiled, dry, clean, oil free, and sound. Remove any dust, laitance, grease, oil, dirt, curing agent impregnations, wax, foreign matter, coatings and deleterious material from the surface by an appropriate mechanical means like ICRI-CSP3. For oily and greasy surface, use Ureco Degreaser. The compressive strength of the concrete substrate should be at least 25 MPA (3635 psi) at 28 days and at least 1.5 MPA (218 psi) tensile strength at the time of application. Be careful of condensing humidity (within 3 degrees of the dew point). Call Epoxy Floors America.

PRIMING

URECO HD is a self priming system. No primer required.

MIXING

The resin (part A) should be premixed to unify the color than added with the hardener (part B) into a portable mortar mixer and pre-blended for approximately 30 seconds. Gradually add quartz aggregate until homogenous mix is obtained (approximately 2 minutes). Immediately pour on floor. No thinning required.

APPLICATION

URECO HD is applied using a steel trowel or screed rake to spread material over required area. Back roll with spiked roller. Always pull roller towards you. Light trowel finish to eliminate overlap. URECO HD requires quartz aggregates to be full broadcast on the wet surface. Allowed the system to cure then remove any excess of quartz aggregate. To be applied by licensed applicators. Ureco GTC or NTC topcoat is recommended. See the technical data sheet before using Ureco GTC or NTC. To be applied by licensed applicators.

CLEANING

This product is considered to be a low maintenance flooring solution; however, certain textures and service environments do require certain procedures. Please refer to the "Maintenance Recommendation".

STORAGE CONDITIONS

URECO HD must be stored dry cool place between 15°C and 21°C. Exposure of the Part 3 (aggregate) to moisture or water

will make the systems unreliable. Do not allow resins to freeze. The shelf life of this product is 12 months from ship date in the original unopened container. Exposure of the hardener to water will lead to pressure build-up from carbon dioxide generation. Do not reseal containers contaminated with moisture. Do not store near open flame.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Best results are obtained when top coated with URECO GTC or NTC. Please call Epoxy Floors America for actual resistance to specific chemical/agents.

MOISTURE CONCERNS

Moisture vapor transmission in the slab should be measured prior to application of polymeric systems to ensure a long lasting, durable installation.

LIMITATIONS

This product is best suited for application in temperatures between 15°C and 25°C. Substrate must be clean, sound and dry. Substrate temperature must be 3°C (5.5F) above measured dew point. Moisture content of the substrate must less than 4% when coating is applied. Do not apply to surfaces where moisture vapor can condense and freeze or to porous surfaces where moisture vapor transmission will occur during the application. Do not use on exterior, on grade substrates. Do not apply in areas where the humidity is greater than 85%. Freshly applied material should be protected from dampness, condensation and water for at least 24 hours. If you have any questions, please contact Epoxy Floors America.

CAUTION

Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, organic vapor respirators. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. This product is intended for industrial use only. Use only as directed. KEEP OUT OF REACH OF CHILDREN

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