

ROCK HARD URETHANE

85% Solids Low Odor Moisture Cure Urethane

Product Description

Rock Hard Urethane is a revolutionary update to a classic moisture cure urethane top coat. Rock Hard Urethane features a high 85% solids, low viscosity formula with excellent open time that results in a smooth, glossy surface with superior hardness, chemical resistance and UV stability. Rock Hard Urethane is user-friendly, single component, low to no odor and low VOC. Rock Hard Urethane is the ideal top coat for Liquid Metals, Poly Armour and other epoxy floors.

Benefits & Features

- Redesigned formulation offers superior gloss and leveling over smooth, coated floors
- Can be applied directly over flake for a durable, no mix top coat
- Superior chemical resistance and unmatched hardness provides protection other coatings can't offer
- UV stability allows this to be used in areas saturated by the sun throughout the day
- Easy to use, one component system makes this more user friendly than many traditional urethanes
- VOC compliant for most areas in the United States and Canada

Recommended Applications

Rock Hard Urethane is effective on applications such as laboratories, aircraft hangars, kennels/veterinary clinics, maintenance/chemical rooms, showrooms, epoxy chip floors and other concrete surfaces where superior abrasion and chemical resistance are key. Not recommended for garage floors .

Technical Information

Solids	85%	Wet Appearance	Clear
Dry Time - Tack Free	4 - 6 hours	Dry Appearance	Clear & High Gloss
Dry Time - Foot Traffic	10 - 18 hours	VOC Content	Less than 50 grams/Liter
Dry Time - Heavy Traffic	24 - 36 hours		
Re-Coat Time Window	6 - 12 hours		
Application Temp	50°F - 80°F		

***Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

Specifications/Compliances

Cured coating is USDA accepted. Meets OTC, CARB & LADCO VOC restrictions

Approximate Coverage Rates

300 - 350 square feet per gallon , 175-225 square feet per gallon over media

*Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

Shelf Life

Up to six months from manufacture date in its original, unopened container stored at room temperature.

Packaging

Available in 1 gallon containers.

ORRVILLE

133 North Kohler Road
Orrville, Ohio 44667
(330) 682-5678

CLEVELAND

7941 Granger Road
Cleveland, Ohio 44125
(216) 573-0770

COLUMBUS

690 Harrison Drive
Columbus, Ohio 43204
(614) 253-3326



www.eco-cretesupply.com

Instructions for Use

Surface Preparation: This product should be applied only to a primed or previously coated surface. Apply coating to a clean surface that is completely dry and free of oil, dirt, grime, wax, detergent or any incompatible paint or coating. An existing coating must be bonded, structurally sound and properly prepared prior to applying new product. A thorough sanding with 80-120 grit or other mechanical preparation is highly recommended to prepare the surface if applying over an existing coating. After existing coating is sanded and prepared, a test are is highly recommended to test adhesion prior to entire application.

Avoid applying coating in high humidity/moisture atmospheres. Substrate and air temperature must be no less than 40°F and not exceed 80°F. If applied outside these limits the coating may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150°F which can cause extreme bubbling issues.

Caution: Moisture cured urethane cures by absorbing moisture from the atmosphere and then hardening. If the container is open for any period of time or brushes or rollers are dipped in and out, then the contents are likely to cure and become solid. Partially filled containers are also likely to cure and become solid over a period of time. Pour out only what will be used up in the immediate time frame and reseal the original container each time after pouring product out. Left over material should be poured into air tight, metal cans that have little to no air space in them with the lid securely in place.

Application: Over Smooth Surfaces: It is recommended to apply this coating over an existing epoxy or urethane using a 5/16 Micro plush roller or 5-7 mil squeegee . Apply evenly at a rate of 300-350 square feet per gallon, always keeping a wet edge. Back rolling as you go is recommended method to achieve a uniform finish . It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to puddle.

For Personal Protection use Gloves, Goggles and Respirators.

Second Coat: If a second coat is necessary it should be applied between 6 - 12 hours of the first coat for optimum adhesion. If recoating after 18 hours, screen the entire surface with a 60 - 120 grit screen on a buffer, remove dust and re-apply a thin coat at the same rate as the first coat (an additional coat may be necessary to hide scratches from screening). Higher surface, air and product temperatures or increased humidity may greatly reduce the acceptable recoat window. Always recoat as early as possible to avoid failure between coats.

Over chip system application Pour Rock Hard urethane directly over flake and spread evenly with a flat flexible squeegee. Back roll using a 5/16 Microplush roller. Apply at a rate of 175-225 square feet per gallon.

Please Note: Applying material outside the suggested parameters may result in product failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture, etc. When applying, do not exceed 400 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited.

COF Warning: OSHA and the American Disabilities Act (ADA) have not set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Deco-Crete Supply Inc. recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may 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. Deco-Crete Supply Inc. nor its sales agents will be responsible for injury incurred in a slip and fall accident.

Clean-Up

Use MEK or acetone. Dispose of containers in accordance with local, state and federal regulations.

Product Removal

Dried, cured sealer may be removed with a commercial stripper or by using diamond grinding method, sandblasting method or similar mechanical action.

Precautions & Limitations

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed
- Do not apply this product in extreme humidity. Work time and cure rate will be accelerated which may result in difficulty applying and less leveling.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed
- It is not recommended to apply product over other coatings, carpet, tile, or other types of floor adhesives
- This product performs best when applied as one or two light coats, not one heavy coat
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Deco Grip, can be added to reduce slip hazards
- All new concrete must be cured for at least 28 days prior to application
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Physical properties listed on this technical data sheet are typical values not specifications.
- Do not apply this product on moist or damp concrete. Perform moisture tests prior to application.
- SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOR LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

Special Notes

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

ORRVILLE

**133 North Kohler Road
Orrville, Ohio 44667
(330) 682-5678**

CLEVELAND

**7941 Granger Road
Cleveland, Ohio 44125
(216) 573-0770**

COLUMBUS

**690 Harrison Drive
Columbus, Ohio 43204
(614) 253-3326**



www.  deco-cretesupply.com

ROCK HARD URETHANE

EXTENDED TECHNICAL DATA

Gloss 60°	92
Elongation (ASTM D882-67)	4.9 - 7.0%
Flexibility, 1/8" Mandrel (ASTM D1737)	Pass
Tabor Abrasion mg loss (ASTM D4060)	16 - 19 mg loss
Hardness (7 Days)	5H - 6H
Heat Resistance	300°F
Water Resistance	Excellent

Chemical Resistance

R - recommended (little to no visible damage)
RC - recommended conditional (some effect, swelling or discoloration)
C - conditional (wash within one hour of exposure to avoid effects)
NR - not recommended (visible damage will occur)

Urine	R
Xylene	R
MEK	RC
Isopropyl Alcohol	R
Methanol	R
Gasoline	R
Diesel Fuel	R
Skydrol	R
Motor Oil	R
Transmission Fluid	R
Brake Fluid	R
Hydraulic Fluid	R
Water	R
Sugar/Water	R
Chlorinated Water	R
Clorox (10%) Water	R
Vinegar/Water 5%	R
Wine	R
Sodium Hydroxide 25%	R
Muriatic Acid 10%	R
Sulfuric Acid 10%	R
Nitric Acid 10%	NR
Phosphoric Acid 10%	R
Hydrochloric Acid 20%	R

Allow 7 - 14 days for product to fully cure to reach full abrasion and chemical resistance properties.

Deco-Crete Supply Inc. warrants our products to be of good quality, free of defects and will conform with our published specifications in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, we will replace defective materials. Ninety days after Deco-Crete Supply Inc. has shipped the products, all our warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product, or merchantability or fitness. Liability, if any, is limited to the purchase price of the material. Under no circumstances will Deco-Crete Supply Inc. be liable for a consequential damage to anyone in excess of the purchase price of the products.

