



UREGARD 60

TWO COMPONENT WATER-BASED URETHANE CONCRETE COATING

UREGARD 60 is a two part, water-based aliphatic polyurethane protective coating for concrete. UREGARD 60 exhibits excellent characteristics for abrasion resistance, flexibility, weathering, and UV stability equal to conventional solvent-based catalyzed urethanes without the associated health and environmental problems. **UREGARD 60** is ideal for architectural concrete flooring projects that require low odor applications with high gloss retention, ease of cleaning, and resistance to high foot traffic. Recommended areas of use include hospitals, concrete counter tops, and high traffic retail flooring. **UREGARD 60** is also suitable for auto service centers, garage floors, warehouses, laboratories, lobbies, theme parks, cafeterias, or related exterior or interior high traffic service or chemical exposure areas.

BENEFITS:

- Water-based formulation is ultra-low VOC (< 50 g/L mixed) compliant in all states.
- Contains no flammable components for safer shipping and application.
- Ideal use as a topcoat sealer in high traffic areas.
- Provides high levels of sheen and gloss retention and abrasion resistance along with deep color enhancement.
- Non-yellowing aliphatic formula designed for maximum resistance against sun degradation.
- Provides excellent chemical, oil and stain resistance.
- Allows easier cleaning of sealed surfaces.
- Available in both gloss and satin finishes as well as 10 standard colors.

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credits 5.2:** Regional materials: Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Illinois 60901. (100% Content-Harvested within 500 miles)

PHYSICAL DATA:	APPROXIMATE VALUES:
Composition:	Comp. A= Catalyzed, cross-linking aliphatic resin. Comp. B= water-based polyol dispersion
Color:	Comp. A =clear light yellow, Comp. B= milky white solution, Dries to a clear film when mixed
Solids (mixed-by weight):	60.00 % (+/-) 0.25%
Weight/gallon (mixed):	8.70 lb./gal (+/-) 0.10%
Mix Ratio:	1 part A to 2 parts B (by volume)
Recommended Film Thickness:	3-5 mils per coat wet thickness (yields 2-3 mils dry)- varies depending on substrate porosity
Coverage per Gallon	250-350 sq. ft. at 2-3 mils dry thickness (Cautions: Do not apply too thick (lower than directed) as the subsequent coating can trap bubbles under the dried film.
TECHNICAL DATA:	PERFORMANCE PROPERTIES -APPROXIMATE VALUES:
Pot Life (1.5 gallon volume)	45 min. at 77 °F,30% R.H., 30 min. at 95°F (pot life is reduced by temperature or lower mass)
Dry to Touch (tack free):	9 hours*
Hard film / Recoat time:	12 hours
Light foot traffic:	24 hours
Vehicle traffic (full cure):	5-7 days
Flashpoint:	>250 ° F (121 °C)
Gloss:	>90 at 60 degrees with Erichson glossmeter
Abrasion Resistance:	Taber abrasor CS-17 wheel with 1000 gram total load and 500 cycles = 40.0 mg loss
Adhesion:	340 psi @ elcometer (concrete failure-no delamination)
V.O.C. levels:	= < 0.41 lb./gallon = 50 g/L (when mixed)

*Drying time assuming 65°–85° F (18°-29° C) at 50% relative humidity. Low concrete or air temperature and/or high relative humidity will extend dry times.



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SPECIFICATIONS/COMPLIANCES: *UREGARD 60* complies with Architectural Coatings requirements and current National AIM specifications for concrete sealers in all states and counties.

SURFACE PREPARATION:

PRIMING: Pre-application of *Specco Uresheen 30* is highly recommended for proper long-term bond of the *Uresheen 60* topcoat. Refer to *Uresheen 30* technical data for application information.

NEW CONCRETE: Must be fully cured (28 day minimum) and free of dust, dirt, oils, loose debris, wax based curing compounds, and any other surface contaminants that could cause a potential bond break or inter-coat adhesion failure. Smooth troweled or surface hardened concrete floors may require scarifying to ensure proper adhesion of the system. Sand blast, bead blast or grind concrete to provide an absorptive surface equal to an ICRI SCP-2 profile. Acid etching is not a preferred method for roughing the concrete surface. Broom finished floors do not require any additional abrasive surface preparation and have adequate surface profile. Apply *Uresheen 30* as a primer and let cure for at least 24-48 hours (temperature depending) before applying the *Uregard 60* coating.

OLD CONCRETE: A test should be made to determine that the concrete is dry, which can be done by placing a 4' x 4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start the application process. The plastic sheet test is also a good method to determine if any hydrostatic pressure problems exist that may later cause de-bonding. If necessary, the use of a concrete densifier/moisture mitigator solution can be used to eliminate excessive moisture migration if present. Consult Specco Ind. Inc. technical service for additional information.

COLOR OPTIONS: 10 standard tinting color options are available:



DIRECTIONS FOR USE:

MIXING: Store *UREGARD 60* in an area to bring the material to room temperature before using. This product has a one to two mix ratio (by volume), therefore, mix one gallon of Component A with 2 gallons of Component B. Add Component B slowly while mechanically agitating Component A at slow speed with a jiffy or squirrel cage mixer, and continue mixing for 2 minutes until the material is uniform and streak free. Avoid whipping air into the coating at high speed. Improper mixing may contribute to product failure.

THINNING: *UREGARD 60* is normally applied as packaged but may be thinned with water up to 10% by volume to obtain a lower application viscosity. Note that any reduction water must be added after Component A and Component B have been mechanically mixed.

APPLICATION: The mixed material can be applied by brush, roller or airless sprayer at **250-350 sq. ft. / gallon**. Applications heavier (lower) than 200 sq. ft. per gallon may create bubbles in a cured coating. Do not allow the *UREGARD 60* to puddle in joints, take care to back roll out any overly applied areas before they dry completely through. The use of a higher nap (1/2 inch) roller is recommended for stamped concrete applications or decorative substrates with varying depths of impression or deeper joints. Maintain temperatures within the recommended ranges during the application and curing process. Try to maintain a wet edge during application to avoid roller marks.





RECOATING OR TOPPING: Multiple coats of **UREGARD 60** are acceptable. If multiple coats are required and the material has cured for more than 24 hours, de-gloss with a black janitorial pad or fine sanding screen to insure a trouble free bond to the previous coat. When recoating, the user should ensure that all of the solvents have evaporated from the coating during the curing process. A quick check can be made by pressing on the coating by thumb and verifying that no fingerprint impression is left. If no impression is created, then the recoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence. Before recoating, make sure to insure that no contaminants exist. If a blush or contaminants are present on a previous coat, remove with a standard detergent cleaner such as **Specco Clean & Prep C-20**. When recoating this product with subsequent coats of the urethane, it is advisable to apply the recoat before 24 hours passes. If 24 hours has elapsed, then a light sanding using a 120-180 sanding screen is required to allow the fresh coating to bond to the initial application with no subsequent inter-coat adhesion loss.

CLEAN UP: Clean tools with Acetone or other environmentally approved cleaning solvents.

CHEMICAL RESISTANCE DATA:

Chemical	Resistance Rating	Chemical	Resistance Rating
10% Sulfuric Acid	Excellent	Xylene	Excellent
10% Acetic Acid	Excellent	MEK	Excellent
10% Hydrochloric Acid	Excellent	Blood	Excellent
50% Sodium Hydroxide	Excellent	Black Ink	Excellent
Skydrol	Excellent	Brake Fluid	Excellent
Beer/Whisky	Excellent	Gasoline	Excellent
Bleach	Excellent	Motor oil	Excellent

LIMITATIONS: Do not allow the **UREGARD 60** to puddle or accumulate in joint areas, or it is possible the resulting film can blush. After application, **UREGARD 60** will dry to a clear, high gloss (or optional satin) type finish that will not yellow or oxidize from sun (U.V.) exposure. A test area is always recommended to determine product suitability before use, especially on light colored substrates where appearance is critical. Direct sunlight or high temperatures may cause visible roller marking during application. Too thick of an application may result in product failure. The use of **Spec Grip** anti-slip additive is recommended for increased traction on surface inclines or around consistently wet areas such as deck pool surrounds.

CAUTIONS: BEFORE USING, the applicator should read all labels, technical data and safety information completely. Keep containers closed until ready to use or when not in use. Do not apply when concrete surfaces are below 50° F (10°C) and dropping or above 90° F (32°C) and rising. For ideal coating properties and improved bond, the **UREGARD 60** should be applied in early morning or late afternoon time periods and should not be applied in full sun if possible. Keep all traffic off the treated surface until dry. Protect all grass, foliage and related landscaping from over spray.

GHS HAZARD RATINGS: WARNING



IRRITANT
RESPIRATORY TRACT IRRITATION



HEALTH HAZARD
REPRODUCTIVE TOXICITY

FIRST AID: REFER TO PRODUCT S.D.S. (SAFETY DATA SHEET) FOR COMPLETE HEALTH AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. FOR MEDICAL EMERGENCIES ONLY – CALL INFOTRAC AT 800-535-5053



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WARNINGS & SAFETY INFORMATION: BEFORE USING, THE APPLICATOR SHOULD READ ALL LABEL, TECHNICAL DATA AND SAFETY INFORMATION COMPLETELY. AVOID BREATHING VAPORS. WEAR PROTECTIVE CLOTHING AND SAFETY GLASSES DURING APPLICATION. USE WITH ADEQUATE VENTILATION. USE WITH OSHA/NIOSH APPROVED EYE PROTECTION AND AIR (VAPOR) RESPIRATOR. THIS PRODUCT MAY CAUSE DAMAGE TO THE LIVER OR KIDNEYS THROUGH PROLONGED OR REPEATED EXPOSURE TO THE SKIN. AVOID INGESTION, SKIN AND EYE CONTACT AND INHALATION OF THE SPRAY MIST. KEEP FROM FREEZING. KEEP OUT OF REACH OF CHILDREN. FOR MEDICAL EMERGENCIES ONLY, CALL INFOTRAC 800-535-5053.

H.M.I.S: Component A: HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 1, PERSONAL PROTECTION = G

H.M.I.S: Component B: HEALTH = 2, FLAMMABILITY = 1, REACTIVITY = 0, PERSONAL PROTECTION = G

SHIPPING NAME: Urethane Coating: Contains: CAS # 028182-81-2 Homo polymer of Hexamethylene Di-isocyanate

SHIPPING CLASS: ITEM 155250, SUB 2, FREIGHT CLASS 65 – Concrete Coating

Component A: **NA 3082, Other regulated components, liquid, (Contains Hexamethylene-1,6-Diisocyanate), HC 9, PGIII. Not Regulated.**

Component B: Not Regulated.

PACKAGING:

- 1.5 quart unit = 0.5 quart can "A" and 1.0 quart can "B"
- 1.5 gallon unit = 0.5 gallon pail "A" and 1.0 gallon pail "B"
- 3.0 gallon unit = 1 gallon pail "A" and 2.0 gallon in an oversize 3 gallon pail "B" -to allow mixing

NOTE- FOR TINTED UNITS -THE TINT IS ALWAYS ADDED TO THE COMPONENT "B" DURING PACKAGING AND NOT IN A SEPARATE UNIT.

STORAGE: 60° to 90° F (15.50° to 32.20° C). **COMPONENT B MUST BE KEPT FROM FREEZING DURING TRANSIT.** If frozen, the contents may have to be discarded.

SHELF LIFE: 1 year properly stored.

WARRANTY: Specco Industries Inc. (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.

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