

Gloss Finish Water Base Polyurethane

UWB Gloss is a high gloss water-based polyurethane concrete floor sealer that can be applied directly to concrete – no epoxy primer needed. UWB Gloss provides incredibly good color enhancement with excellent healing properties for reduce roller lines. Product is tintable in 14 colors using UWB-Tint.

Typical Uses:

Versatile water-based urethane that can be used in Industrial, Commercial, and Residential applications such as:

- **Warehouse and Office Spaces**
- **Retail Flooring and Restaurants**
- **Garage and Basement**
- **Topcoat over Metallic and Stains**

Product Advantages:

- **Low Viscosity**
- **Excellent Penetration and Surface Adhesion**
- **45 Minute Pot Life**
- **Excellent Heal for Reduced Roller Lines**
- **Low Odor, Indoor Application Friendly**

Solids Content – 40% by weight
Pot Life – 45 minutes
Dry Time, Tack Free – 5 to 6 hours
Dry Time, Foot Traffic – 16 to 20 hours
Dry Time, Heavy Traffic – 4 to 7 days
Recoat Interval – 6 to 12 hours

Application Temperature
50° to 80° F

VOC Content - < 125 g/L

Packaging:
1.25-Gallon Kits

Coverage:

Coverage rates can vary greatly depending on surface porosity and application method. Avoid thick build of UWB-Gloss, this is a thin mil coating.

Direct to Concrete: 200 – 300 sq ft per gallon

As a Top Coat: 300 to 400 sq ft per gallon

Directions for Use:

Moisture Testing:

UWB-Gloss is a 40% solids cross linked resin. Moisture vapor transmission in excess of 3 pounds per 1,000 sf can cause blisters, bubbles and other detrimental effects in a resinous coating. Damage caused by MVT does not indicate a product failure, but a preparation failure. Excessive moisture beyond parameters listed, from below and in the atmosphere, must both be considered before product is placed.

Plastic Sheet Test: (ASTM-D-4263) A preliminary test to see if moisture vapor is present can be done with the simple application of a plastic sheet, 24"x 24" being taped to the surface on all four sides. If

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after 48 hours moisture is present under the plastic a more precise test must be performed to measure the current MVER. The Plastic Sheet test should not be used as a rule that there will not be moisture, but it does give you an indication to perform more accurate testing.

Calcium Chloride Test: Perform a calcium chloride test in accordance with ASTM-F1869 Standard, with surface temperature between 65 - 75°F and 40 - 60% atmospheric relative humidity for 48 hours proceeding, and during the test. Follow the instructions listed by the test manufacturer. ASTM F1869 calls for three tests for the first 1,000 sq ft and one additional test for each 1,000 sq ft after that.

RH TESTING: ASTM F-2170 is the standard for testing relative humidity (RH) in concrete floor slabs. To measure the RH conditions deep in a slab of concrete it is necessary to have a thermo-hygrometer with an in-situ probe. The hygrometer is used to calculate RH reading from a probe inserted into holes prepared in the concrete prior to the test. Follow the test manufacturer's instructions for use. The ASTM F-2170 standard calls for at least three tests in the first 1,000 sq. ft. of concrete then one additional test per each 1,000 additional sq. ft.

Substrate Preparation:

SOUND: Concrete that is failing due to poor placement or extensive environmental abuse should be replaced, not repaired. Cracks and joints in concrete should always be treated as moving, with the possibility they will continue moving after the coating is placed. Expansion joints must always be honored since they allow movement in the slab. Holes and divots in the surface should be filled with a suitable material. Semi-rigid joint fillers may be applied in control joints prior to application of the coating, but if excessive movement occurs, a crack will form in the surface of the coating along the joint. Flexible joint sealants should only be applied after the coating is completed and cured. Expectations should be set with the client prior to commencement of the project so they understand that the coating, when bonded properly, will move as the concrete substrate does.

CURED: All concrete must be sufficiently cured to allow for proper hydration. The recommended cure time is 28 days, depending on temperature and humidity.

CLEAN: Surfaces to be coated should be free of contaminants and readily accept water. All potential contaminants on the surface must be removed, including but are not limited to: dust, dirt, oil, grease, paints, glues, sealer, curing agents, releases, efflorescence, chemical contaminants, rust, or algae. Even if grinding is the preferred method it is critical to clean the surface first to keep from pushing contaminants into the pores of the concrete during the grinding process.

PROFILED: Concrete must be profiled to a CSP-2 or CSP-3 for proper bonding. Acid etching is not an acceptable option for smooth or power troweled surface. A water drop test should be performed to make sure water quickly penetrates the surface and darkens it. If water sits on the surface for longer than 15 seconds the concrete is not porous and must be mechanically profiled by shot blasting or diamond grinding. The millage being applied should be considered when choosing the coarseness of the diamond. Surface must be completely cleaned after the mechanical preparation process. The millage being applied should be considered when choosing the coarseness of the diamond. Surface must be completely cleaned after the mechanical preparation process.

ENVIRONMENTAL CONDITIONS: The substrate temperature during application and curing must be within the limits listed above. Ambient temperature should not be used to judge application temperature. Use of a laser temperature gauge is necessary to find the substrate temperature. If product is applied outside of these temperature parameters, the product may not cure properly and will not meet specifications in hardness or chemical resistance.

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Tinting Instructions:

UWB-Gloss is a clear water-base polyurethane. If an opaque surface is required, UWB-Tint is available in six standard colors. Add pigment to Part A before blending with Part B.

Mixing Instructions:

If less than full kits will be mixed, each component should be mixed thoroughly with individual tools. Using the same tool to mix part A and Part B will cause contamination and ruin the material being saved for future use. UWB is to be mixed at a ratio of 4 parts A to 1 part B. In clean measuring containers pour the correct ratio in and mechanically mix for 3 minutes. **DO NOT USE A STIR STICK!** The amount of material mixed should only be what can be utilized within the pot life recommendations of the product. A jiffy style mixing paddle is recommended to limit the introduction of air while combining Part A and Part B.

Application Instructions:

Do not mix more material than can be spread during the pot life of the product. Discontinue application if the material gets sticky and isn't spreading smoothly. UWB-Gloss should be applied with a roller pan and roller. 18" rollers with a 3/8" nap are best for moving the material efficiently while not leaving roller lines. The product will be white during application and clear during cure. Tray liners are recommended so older material does not get mixed in with new product. Change rollers immediately if they start to stick to product being placed. UWB-Gloss is meant to be a thin-mil system. Do not let it puddle or get too thick.

RECOAT: Recoat windows are directly affected by the ambient surface temperature. Maximum recoat window will fall between 6 and 12 hours. It is important to apply additional coatings as early in the recoat window as possible for the best results. If the recoat window has passed it is critical to thoroughly abrade the surface with 100 to 120 grit sanding screens. Thoroughly clean the existing coating before abrading to remove potential contaminants. Vacuum dust off the floor then follow by wiping down the floor with lint-free cloths dampened with water. Allow to completely dry before applying additional coat at the recommended rate.

Clean Up:

MEK or Acetone.

Maintenance:

Use walk-off mats at entrances to keep the floor free of sand and abrasives to minimize scratching. Apply protective felt pads to furniture and fixtures prior to placing on the coating. Use a pH-balanced cleaner to remove light soils. A dilution of ammonia and water will clean most contaminants off the surface. Spills should be cleaned promptly to prevent long term staining. Citric based cleaners should not be used.

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Cured Physical Properties:

Flexibility – ASTM D1737 - Pass
Pendulum Hardness – ASTM D-4336 - 175
Abrasion Resistance, 1000 gm load 1000 cycles – ASTM D4060 – 38 to 40 mg loss
Water Resistance - Excellent
Gloss, 60 Degree – ASTM E97 – 88

Chemical Resistance Chart:

E = Excellent
D = Discolors
NR = Not Recommended

Brake Fluid – **E**
Chlorinated Water – **E**
Clorox 10% - **E**
Diesel Fuel – **E**
Gasoline – **E**
Hydraulic Fluid – **E**
Hydrochloric Acid 20% - **E**
Isopropyl Alcohol – **E**
MEK – **D**
Methanol – **E**
Motor Oil – **E**
Muriatic Acid 10% - **E**
Nitric Acid 10% - **NR**
Phosphoric Acid – **E**
Skydrol – **E**
Sodium Hydroxide 25% - **E**
Sugar Water – **E**
Sulfuric Acid 10% - **E**
Transmission Fluid – **E**
Urine – **E**
Vinegar 5% - **E**
Water – **E**
Wine – **E**
Xylene - **E**

Slip Resistance Disclaimer:

Notice: The Occupational Safety and Health Administration (OSHA) and the American Disabilities Act (ADA) have set enforceable standards for slip-fall protection on walking surfaces. The ADA standards are the more stringent and require a minimum coefficient of friction (CoF) on level walking surfaces of 0.6 and on ramped walking surfaces of 0.8. The system applicator / end user assumes all responsibility to provide a flooring system that meets all current safety standards. Neither Durável nor its selling agents will be responsible for any injury that may be incurred in a slip-fall accident. Furthermore, Durável recommends the use of slip-resistant aggregate in all coatings or floor systems that could possibly be exposed to wet conditions or become contaminated with oils, grease, or other lubricants. Refer to the technical data sheet on acrylic wax floor finishes that meet requirements for ASTM D2047.

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Storage:

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.

Disposal:

Disposal of product and packaging should be in accordance with applicable regional, national and local laws and regulations.

Shelf Life:

Up to one year from original manufacture date when stored in its original, unopened container at room temperature.

Limitations:

This product is not intended for public use and is intended for use by qualified contractors and installers with proper experience and training in the use of these products, and that have read the complete safety data sheet. Apply product only when substrate and ambient temperatures are within the accepted range and to substrates that are a minimum of five degrees above dew point and will remain so during product cure. During application and cure protect product from all contaminants and traffic.

Warranty:

Durável warrants our products to be of uniform quality, free from defects within manufacturing tolerances, and to conform to published specifications as of the date of sale. Durável has no control over the use of the product and therefore no warranty, expressed or implied, is made or can be made as to the application of the product or the results of use. The manufacturer's obligations shall be limited to refunding the purchase price or providing replacement product for material proven to be defective. Ninety days after delivery of product all warranty and other duties with respect to the quality of the product delivered shall be presumed to have been conclusively satisfied, all liability therefore terminates, and no action for breach of any stated or implied duties may thereafter be commenced. The end user is responsible for determining the product's suitability and assumes all risks and liabilities. Under no circumstances will Durável be subject to or held liable for a consequential damage to anyone in excess of the purchase price of the product.

Disclaimer:

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável

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assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

Safety Instructions:

Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention

IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.



Always Review SDS & Technical Data Prior to Use

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