Armor UTX60 High Gloss Industrial Coating

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For Professional Use

PRODUCT DESCRIPTION

The Armor UTX60 High Gloss is a commercial grade, water-based, high gloss aliphatic urethane coating designed to protect a variety of interior surfaces from deterioration, oil and gas stains, and most chemicals. It is manufactured in the U.S., and made from high quality resins. The Armor UTX60 will provide a long-lasting, UV-stable high gloss finish that won't peel, chip, or flake.

BENEFITS/FEATURES

- Provides a long-lasting, UV stable high gloss finish
- Reduces deterioration caused by surface abrasion
- Offers excellent long term wear resistance
- Stops concrete surface stains and dusting
- Offers superior resistance to oil, gas, and fluids
- Offers superior resistance to chemicals and water
- Easy to apply and maintain.
- Low odor

SUGGESTED APPLICATIONS

- Interior concrete floors
- Garage and shop floors, aircraft hangar floors
- Warehouse and manufacturing plant floors
- Residential floors
- Retail and showroom floors

TECHNICAL INFORMATION

Solids % Weight ……....40%
Drying Time……....5-6 hours
Foot Traffic…….16-20 hours
Wheel Traffic……..4-7 days
Re-Coat Time……..6-12 hours
Application Temperature……55-80 degrees F

Drying Appearance……...Clear or Tinted High Gloss
VOC Content……Less than 125 grams/Liter Mixed
Pot Life…….45 Minutes

Abrasion Resistance ASTM 4060-81……...30-40 mg loss
Flexibility 1/8" Mandrel ASTM D1737……..Pass
Pendulum Hardness ASTM D-4336……..175
Gloss 60 Degree……..80

CHEMICAL RESISTANCE

Little to no visible damage:

Urine	Motor Oil
Xylene	Transmission Fluid
Methanol Brake Fluid	Vinegar/Water (5%)
Gasoline	Hydraulic Fluid
Diesel Fuel	Water
Sodium Hydroxide (25%)	Sugar Water
Muriatic Acid (10%)	Wine
Sulfuric Acid (10%)	Chloronated Water
Phosphoric Acid (10%)	Clorox (10%) Water
Isopropyl Alcohol	Skydrol

Not Recommended: Nitric Acid 10%

Conditionally Recommended (Must be washed off thoroughly within 1 hour to avoid effects): MEK

COVERAGE

First Coat (Applied Directly To Concrete)	200-300 ft2/ gallon
Second Coat (Applied Over Existing Coating)	250-350 ft^2/gallon

Please note, the above are coverage estimates. Actual coverage rate will depend on several factors including surface porosity, texture, application method, applicator, etc. This is not a high build coating and excessive build up should be avoided. The Armor UTX60 High Gloss kit is a 2.5 gallon kit.

APPLICATION INSTRUCTIONS

Surface Preparation
Surface preparation is key to the success and life of the UTX60. UTX60 must be applied to fully cured unsealed interior concrete that has been properly prepped with a diamond grinder using a 30 grit (or courser diamond) to achieve a CSP –2 to a CSP-3 profile. If applying over an existing fully cured coating, or outside of the recoat window, you will need to sand thoroughly with a 60-100 grit sanding screen until the surface is completely dulled with scratches. Vacuum surface several times to ensure surface dust and debris is completely removed. Applying the UTX60 over dirty or dusty concrete will result in delamination. The surface needs to be completely dry and free of oil, dirt, grime, wax, detergent or any incompatible paint or coating. To prevent delamination caused by moisture vapor transmission, a moisture vapor test should also be performed to determine if vapor emissions are present.

Substrate, air, and material temperatures must not be less than 55 degrees Fahrenheit, and not exceed 80 degrees Fahrenheit. If applied outside of these limits, the Armor UTX60 may not achieve adequate film formation, and may develop blushing, bubbles, or hazing. Please note that higher substrate, air, and material temperatures, as well as excessive humidity, may speed up the cure rate of this product; cooler temperatures and lower humidity may slow the cure rate of this product.

Product Mixing
Slow drill mix 4 Parts A with 1 Part B in a clean 5 gallon pail. Mix for 2-3 minutes, or until material is thoroughly blended and homogenous. Avoid creating a vortex, or whipping air into the coating. Do not mix more than can be applied within the usable pot life time frame.

Tint: For a solid, opaque finish, 32 ounces of Armor UTX60 color should be used for each 2.5 gallon UTX60 High Gloss Kit. Before adding in Part B, slow drill mix color into pre-mixed Part A for roughly 2-3 minutes. Once the color has been mixed into Part A, add in Part B and drill mix for 2-3 minutes, or until material is thoroughly blended and homogenous. Multiple coats may be necessary for total opacity. Always test for color acceptance prior to full application.

Non-Slip Additive: For added surface traction, the Armor Non-Slip additive can be added. The ultra-fine, fine, and coarse Armor Non-Slip additives works best in the Armor UTX60. Applying the Ultra-Fine: Slowly drill mix 3-6.5 ounces of non-slip additive per gallon, until completely blended, then apply. For Fine and Coarse: When applying the second coat, add the non-slip additive to the coating using a broadcast spreader, and back roll to encapsulate the non-slip additive.

DuraTrac Additive: Slowly drill mix the DuraTrac additive into the fully mixed, ready to apply UTX60. If applying in color, ensure the color has been mixed in as well. While 5 ounces of DuraTrac per gallon of UTX60 is suggested, you can add up to 32 ounces of DuraTrac for every 1 gallon of UTX60. Please note, the more DuraTrac you add, the more cautious you need to be to avoid clumping. If clumping occurs, too much DuraTrac has been added. DuraTrac can also slightly reduce the gloss level. Testing in a small area is strongly suggested in order to determine the appropriate amount of DuraTrac necessary for your application.

Please note, do not apply both the Armor Non-Slip Additive and the DuraTrac Additive. Only one should be applied per application.

Product Application
Apply the mixed material using a 3/8" shed-less nap roller. 18" rollers are recommended to speed up application time and reduce roller marks. Please note that pot life may vary. If the material becomes thick while applying, or starts sticking to the roller , stop applying and discard the mixed material. At this point it has reached the end of the usable pot life. While applying, keep a wet edge to prevent roller marks. It is recommended to work in small sections, usually using control joints as dividers to ensure proper application results. Do not allow to Puddle! If recoating after 24 hours you must wait 5-7 days to allow the coating to cure. Once 5-7 days has passed, a light sanding using an 80 grit screen pad (and a thorough surface cleaning) is required prior to applying an additional coat to ensure adequate coat adhesion.

Blending roller lines: When rolling the UTX60 it is considered a best practice to lift the roller at the end of the stroke so there are no roller lines/stop lines. Applying the UTX60 is very similar to applying paint, be sure to always maintain a wet edge. Work fast, but controlled.

Re-Coating
When applying the second coat, it is important to re-coat within the suggested re-coat windows on page one. The second coat should be applied the same way the first coat was applied. Note that higher substrate, air, and material temperatures, as well as excessive humidity may greatly reduce the acceptable re-coat window of this product. When working in higher temperatures, always re-coat as early in the re-coat window as possible to avoid failure between coats. If re-coating outside of the suggested window, or beyond 24 hours, sand using a 60-120 grit sanding screen to ensure adequate adhesion. Vacuum and clean thoroughly, as was required under Surface Preparation.

Applying UTX60 outside of the suggested parameters may result in application 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. The applicator is responsible for suitability of application, and the results of the application. We suggest applying to a test area first to verify compatibility, absorption, coverage rate, and project suitability.

Clean-Up
Use MEK. Dispose of containers in accordance with local and federal regulations.

Product-Removal
Dried, cured sealer may be removed with the Armor CR100, or by using a diamond grinding method, sandblasting method or similar mechanical action.

PRECAUTIONS AND LIMITATIONS

- Concrete must be cured for at least 60 days.
- Coverage rates depend upon many conditions including application method, surface porosity, and applicator.
- Armor UTX60 should be applied in thin coats, it is not designed as a high build coating. Do not puddle.
- Be aware that this product may be slippery when wet. Non-Slip additives are available.
- Armor UTX60 may darken the surface of many new and existing concrete substrates. Test prior to use.
- Physical properties listed on this technical data sheet are typical values, not specifications.
- Do not let sweat or other liquids come into contact with the uncured coating.
- Do not apply to exterior concrete surfaces. Do not apply to anything other than interior poured and properly prepped concrete If applying over an existing coating, proper adhesion and compatibility tests are essential.
- Appropriate personal protective equipment is necessary to prevent injury. This may include, but is not limited to, gloves, goggles, respirator, etc. Refer to the Safety Data Sheet prior to use.
- This product can freeze during storage. Store at temperatures above 40 degrees Fahrenheit. Shelf life when properly stores is1 year.
- In all cases, refer to the Safety Data Sheet prior to application for complete health and safety information. Do not swallow,avoid direct contact with skin, avoid inhalation, keep out of reach of children and pets.
- In this application the substrate preparation, application, performance and all other liabilities are strictly the end user's responsibility.
- Foundation Armor offers no guarantee, warranty or other claims to the success or results of a job or project.
- A chemical exposure test should always be performed prior to application to ensure satisfactory resistance to specific chemicals.
- The applicator is responsible for suitability of application, and the results of the application. We suggest applying to a test area first to verify compatibility, absorption, coverage rate, and project suitability. Applicator is also responsible for ensuring product meets local VOC regulations, and any and all other regulations that may apply.
- In all cases, refer to the Safety Data Sheet prior to application for complete health and safety information. Do not swallow,avoid direct contact with skin, avoid inhalation, keep out of reach of children and pets.