



ICT TECHNICALS

Ure-Seal H₂O Next Gen

2-Part High Performance Urethane Clear Coat

156-KIT-4 GLOSS

USE: *ICT Ure-Seal H₂O Next Gen/56* is a 2-part environmentally friendly water reducible crystal-clear urethane. It is a high-performance clear coating that can be used inside or out to protect and enhance properly prepared concrete and concrete hardscapes surfaces for years of service. *Ure-Seal H₂O Next Gen/56* cleans up with sodium bicarbonate and water.

DESCRIPTION: *ICT Ure-Seal H₂O Next Gen/56* has excellent abrasion and chemical resistance and is available in a Gloss finish (156). Keep in mind that the Gloss (156) blend will appear as a semi-gloss/gloss finish on pavers. The mild odor makes it ideal for interior applications. *Ure-Seal H₂O Next Gen/56* will not yellow and will form a very hard protective coating for high traffic areas, counter tops, restaurants, decorative concrete, concrete hardscapes, and brick pavers. *Ure-Seal H₂O Next Gen/56* can be used over commercial floors, garage floors, and anywhere that high durability and superior chemical resistance is required.

SURFACE PREPARATION: 1. Clean surface thoroughly with *ICT Total Klean (700)* all-purpose degreaser and cleaner to remove dirt and oils. It is recommended that you also use a bleach/liquid chlorine solution to remove any visible or microscopic algae or mildew. Must rinse thoroughly. 2. If you are applying *Ure-Seal H₂O Next Gen/56* over brick pavers it is recommended that you use *ICT Total Prep (720)* according to product directions. This will help remove the efflorescence, as well as condition and prep the pavers for sealing. Total Prep is not an alternative to degreasing. 3. Pressure wash the entire area thoroughly to remove any residual chemicals.

MIXING RATIOS: *ICT Ure-Seal H₂O Next Gen/56* is a 2-component product that comes pre-packaged in a 4-gallon kit. If not all the product in the kit purchased is needed, *Ure-Seal H₂O Next Gen/56* can be mixed by using 3 parts of "Part A" and 1 part of "Part B" (i.e. 3 quarts of Part A to 1 quart of Part B). Do not mix more material than can be used in a 2-3 hour period. Once components A and B are mixed the pot life is approximately 2-3 hours. Pot life will vary based on weather conditions, temperature, humidity etc. Mixed product should NEVER be stored in a closed container.

DILUTION RATIOS: Brick Pavers with Sand Joints: When sealing concrete pavers, always dilute *Ure-Seal H₂O Next Gen/56*. DO NOT USE FULL STRENGTH. Mix Part A and Part B at the 3:1 ratio. For the first coat, dilute that solution with up to 2.5 parts of water (i.e. if you have mixed a total of one gallon of product add up to 2.5 gallons of water). Apply thin, even coats at approx. 250-300 sq ft per ready-to-use gallon. Avoid "flood coating" or overly saturating the surface, unless sufficiently diluted beforehand. The second coat should be mixed with up to 1.5 part water. If additional coats are needed, mix at the same 1.5 part water to 1-part mixed *Ure-Seal H₂O Next Gen/56*. Note: less dilution will add more sheen and longevity.

Acrylic Overlays, Stamp Overlays: Mix Part A and Part B at the 3:1 ratio. Dilute that solution with up to 1-part water (i.e. 1 gal of mixed product diluted with 1 gal of water). The second coat should be applied near full strength. No dilution. Additional coats may be applied to achieve a higher gloss or if additional film thickness is needed for high traffic areas.

Travertine: Mix Part A & Part B to the 3:1 ratio. Dilute mixture 1:1 with water. Apply 1 coat. Note: Surface may become slippery. Use ICT Extreme Grip (495) to aid in slip resistance. ICT Stone Show may be a better alternative for protecting travertine and natural stones.

Industrial Application: Contact ICT for additional information.

Top Coat Sealers: *ICT Color Seal*, *Texture-EEZ*, and *Epoxy Floor systems* should be sealed with *Ure-Seal H₂O Next Gen/56* near full-strength.

*** NOTE: Above dilution ratios will vary depending on substrate differences and conditions. Always apply a test area so that desired results can be achieved. ***



ICT Corporation: 2410 McJunkin Road * Lakeland, FL 33803
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APPLICATION: *Ure-Seal H₂O Next Gen/56* is a two component product. Mix using a low speed drill or jiffy mixer for 1-2 minutes. *If dilution is recommended, mix parts A & B before and after water is added.* Do not whip air into the mixture. Apply with a sprayer or short nap roller. (rolling is only recommended for indoor applications) Do not apply too thick or bubbles will form. If a second coat is required, it must be applied after the initial coat is dry to touch and visually clear, usually within 3-6 hours, but before it cures completely, usually within 24-36, hours after the initial coat is applied.

Brick Pavers or Hot Surfaces should be slightly dampened with a *light mist* of water prior to applying **Ure-Seal**. **Do Not Over Hydrate. Hydrate surface only if conditions allow for adequate dry/curing time. Thin pavers with a sand bed should be thoroughly dry before applying Ure-Seal H₂O.** The use of a quality pump up sprayer/continuous sprayer is recommended. Apply thin, even coats at approx. 250-300 sq ft per ready-to-use gallon. Avoid "flood coating" or overly saturating the surface, unless sufficiently diluted beforehand. Do not allow Ure-Seal to pond or puddle. If puddling occurs use a dry roller to "back roll" the material to maintain an even thickness. If you use a roller for the application of **Ure-Seal** use a 1/4" nap or Micro Fiber roller cover. For dry rolling/ back rolling you will need a 3/4-1" roller cover. If you should see roller marks as you are applying, **lightly mist** those areas with water. This will allow Ure-Seal to settle and form a more even film. **Rolling is never recommended on brick pavers or travertine.**

Travertine should be sealed with only one coat of **Ure-Seal** using the recommended mixing & dilution ratios. Broadcast non-skid additive while **Ure-Seal** is curing to reduce slipperiness.

Always Apply a Test Area For Best Results.

PACKAGING:

4-Gallon Kits

COVERAGE:

Approx-200 –300 sq. ft. per gallon. Coverage rates **will** vary depending on substrate, textures, porosity, and application methods.

FEATURES AND BENEFITS:

Non-yellowing

Excellent chemical resistance

Low V.O.C.

Interior and exterior use

High performance

Excellent UV resistance

Low odor

Gloss and Natural finishes

Easy clean-up

May be applied to damp surfaces (no ponding or puddling)



Tomorrow's Technology Today

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LIMITATIONS:

Must be stored in air tight container to prevent evaporation and contamination with foreign material. Do not apply when **surface** and air temperatures are above 100°F or below 55°F or when dew point is within 5°F of air temperature. Any mixed material if not used within 1-3 hours of mixing should be discarded, this time may be increased by keeping the material in a cool dry place. Do not re-lid product once mixed as product will expand. Do not freeze, store above 40°F. If re-coat time is exceeded surface must be lightly abraded prior to applying second coat.

DO NOT apply *Ure-Seal H₂O Next Gen/56* when air or surface temperature is below 55°F or is expected to fall to the point before application is dry. Low temperatures and high humidity will effect drying and curing times.

DO NOT apply *Ure-Seal H₂O Next Gen/56* to new cement, mortar, grout, brick pavers, or overlays. ICT recommends a minimum wait time of 28 days, to allow these products to cure, before sealing. When sealing brick pavers, refer to manufacturer's recommendation for wait/cure time before sealing. **ICT Total Prep** should be used for the removal of efflorescence prior to application of *Ure-Seal H₂O Next Gen/56*.

DO NOT apply to thin pavers if moisture is present.

DO NOT apply to non-porous surfaces, such as tile.

PREVIOUSLY MIXED BATCHES SHOULD NEVER BE INTERMIXED WITH NEW BATCHES EVEN IF USING THE SAME KIT. THIS WILL ENSURE THAT THE PRODUCT REACTS PROPERLY AND EVENLY.

PRECAUTIONS:

Keep out of reach of children. Applicator should wear protective eyewear and gloves. Do not take internally. Do not store in direct sunlight or excessive heat. Keep from freezing. Refer to the MSDS for this product for safety recommendations related to working with this product. Do not allow this product to freeze. Do not apply if surface is below 50°F or above 100°F. Do not apply over surfaces that have been previously sealed with a solvent based sealer unless a compatability test is performed. Use caution when applying to thin pavers or travertine when a salt water pool is in use to avoid possible maintenance issues.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

All Innovative Concrete Technology Corp. products are manufactured with the finest raw materials. Shelf life is 6 months from the date of manufacturing when maintained in protected storage of 50°F to 90°F. It is the applicator's responsibility to determine the appropriate use of the product. All recommendations and suggestions are made without warranty, express or implied, since conditions of use are beyond ICT's control. ICT Corp. disclaims any liability incurred in connection with the use of these data or suggestions.



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CHARACTERISTICS & TECHNICAL DATA

Weight/gal.	9.0 lbs.
V.O.C.	< 75 grams/liter
Combined Solids (A&B)	56.5% (±1%)
Gloss @ 60°F Specular	90
Dry time (77°F, 50% RH)	3-6 Hrs.
Dry to recoat	3-6 Hrs. min./18-24 Hrs. max.
Return to service	24-48 Hrs.
Heavy/Vehicular traffic	72 Hrs.
Appearance wet	Milky
Appearance dry	Clear
Coverage	200-300 sq. ft./gal.
WFT	5-8 mils
DFT	2.65-4.25 mils
Shelf life	1 year @ 77°F
Hot tire resistance	Excellent
Pot life after mixing	1-3 Hrs. @ 77°F

CHEMICAL RESISTANCE

TEST METHOD ASTM D1308

Acetic Acid 10%	No effect
Sulfuric Acid 10%	No effect
Hydrochloric Acid 10%	No effect
Sodium Hydroxide 50%	No effect
Ammonium Hydroxide 14%	No effect
Bleach 10%	No effect
Gasoline	No effect
Brake Fluid	No effect
Skydrol	No effect

TEST DATA

Accelerated QUV Bulb A ASTM 6695C1 2500 Hrs.	Delta E Change: None Delta Gloss Change: None
Abrasion Resistance	35 mg loss

HIGHER TEMPERATURES AND HUMIDITY WILL REDUCE POT LIFE.

DO NOT RE-LID MIXED PRODUCT.



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