

## 4:1 Ure-Seal H<sub>2</sub>O™

2-Part Urethane Clear Coat

**150-KIT / 151-KIT / 152-KIT**

**GLOSS / NATURAL / MID-GLOSS**

**USE:** *ICT Ure-Seal H<sub>2</sub>O* is a 2-part environmentally friendly water reducible, crystal clear, aliphatic urethane. It is a high performance clear coating that can be used inside or out to protect and enhance any properly prepared decorative concrete, brick pavers, and many other concrete & masonry surfaces for years of service.

**DESCRIPTION:** *ICT Ure-Seal H<sub>2</sub>O* has excellent abrasion and chemical resistance with a gloss, mid gloss, or natural finish (Keep in mind that the 'Gloss' blend will appear as semi-gloss when applied on brick pavers). The mild odor makes it ideal for interior applications. *Ure-Seal H<sub>2</sub>O* will not yellow and will form a very hard protective coating for high traffic areas, counter tops, restaurants, decorative concrete & brick pavers. *Ure-Seal H<sub>2</sub>O* can be used over epoxy flooring, garage floors, 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. Rinse thoroughly. 2. If you are applying *Ure-Seal H<sub>2</sub>O* over brick pavers it is recommended that you use *ICT Total Prep (720)* according to product directions. This will aid in the removal of efflorescence and condition / prep the pavers. 3. Pressure wash the entire area thoroughly to remove any residual chemicals.

**MIXING RATIO'S:** *ICT Ure-Seal H<sub>2</sub>O* is a 2 component product. If not all the product in the kit is needed *Ure-Seal H<sub>2</sub>O* can be mixed by using 4 parts of "Part A" and 1 part of "Part B" (i.e.: 4 quarts of Part A to 1 quart of Part B) Do not mix more material than can be used in a 1-3 hour period. **Once components A and B are mixed the pot life is approximately 1-3 hours. Pot life will vary based on weather conditions, temperature, humidity etc. Mixed product should NEVER be stored in a closed container. Do not intermix different batch's.**

**DILUTION RATIO'S:** **Brick Pavers with sand joints:** It is recommended you apply a penetration coat as your first coat. Mix Part A and Part B at the 4:1 ratio. Dilute that solution with up to 2 parts of water. (i.e.: if you have mixed a total of one gallon of product add up to 2 gallons of water) The second coat should be mixed with 1 part water. If additional coats are needed mix at the same 1 part water to 1 part Mixed Ure-Seal. Do not apply undiluted Ure-Seal H<sub>2</sub>O to pavers.

**Travertine:** Mix Part A & Part B to the 4:1 ratio. Dilute mixture 1:1 with water (151 Natural UreSeal) 2:1 with water (150 Gloss UreSeal) Apply 1-2 coats. **Note: Surface may become slippery. Use *ICT Non-Skid Broadcast Blend (495)* to aid in slip resistance.**

**Acrylic Overlays (ICT TK2000 w/ Integral Color), Stamp Overlays, Acid Stains:** Mix Part A and Part B at the 4:1 ratio. Dilute that solution with 1 part water. (i.e.: 1 gal of mixed product diluted with 1 gal of water) The second coat should be applied full strength. Additional coats may be applied to achieve a higher gloss or if additional film thickness is needed for high traffic areas.

**Top Coat Sealers (ICT Color Seal H<sub>2</sub>O Pro, Texture EEZ 3000) and Epoxy Floor Systems** should be sealed with *Ure-Seal* near full strength.

**Counter Tops & Industrial Application:** Contact ICT for additional information.

**APPLICATION:** *ICT Ure-Seal H<sub>2</sub>O* 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 a white haze or bubbling will form and stay. 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 H<sub>2</sub>O*. **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 H<sub>2</sub>O.** The use of a quality pump up sprayer/continuous sprayer is recommended. Always filter before filling. A moderate amount of material should be applied. Do not allow *Ure-Seal H<sub>2</sub>O* to puddle. If puddling occurs use a dry roller to "back roll" the material, a leaf blower, or a stiff push broom to maintain an even thickness. If you use a roller for the application of *Ure-Seal H<sub>2</sub>O* 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 area with water immediately. This will allow *Ure-Seal* to settle and form a more even film. **Rolling is never recommended on brick pavers.**

Travertine should be sealed with 1-2 coats of *Ure-Seal H<sub>2</sub>O* using the recommended mixing & dilution ratios. Broadcast *ICT Non-Skid Broadcast Blend (495)* or *Diamond Dust (491)* while *Ure-Seal H<sub>2</sub>O* is curing to reduce slipperiness.

**Always Apply a Test Area For Best Results.**

(Continued on reverse side →)

### ICT Corporation

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ICT TECHNICALS

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## FEATURES AND BENEFITS:

- Non-yellowing
- Excellent chemical resistance
- Low V.O.C.
- Interior and exterior use
- High performance
- Sand joint stabilizing
- Excellent UV resistance
- Low odor
- Gloss, Mid-Gloss, and Natural finishes
- Easy clean-up
- May be applied to damp surfaces (no ponding or puddling)
- Will outlast single-part acrylic sealers if properly applied and under adequate conditions, up to 3—5 years.

## PACKAGING:

1 Gallon Kits (Gloss only)  
2.5 Gallon Kits (Gloss & Natural)  
5 Gallon Kits (Gloss, Mid Gloss, & Natural)

## COVERAGE:

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

**DO NOT** apply Ure-Seal H<sub>2</sub>O when air or surface temperature is below 55°F or is expected to fall to the point before application is cured. Low temperatures and high humidity will effect drying and curing times.

**DO NOT** apply Ure-Seal H<sub>2</sub>O to new cement, mortar, grout, brick pavers, or overlays. ICT recommends a minimum wait time of 28 days, to allow these products to cure and lower the PH before sealing. When sealing brick pavers, refer to manufacturer's recommendation for wait/cure time before sealing. **ICT Total Prep (720)** should be used for the aid in removal of efflorescence prior to application of Ure-Seal H<sub>2</sub>O

**DO NOT** apply to thin pavers if moisture is present.

**DO NOT** apply to non-porous surfaces (Example: tile, clay, marble, porcelain, wet cast pavers, etc.)

**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.**

## CLEAN UP:

Ure-Seal H<sub>2</sub>O cleans up easily with **ICT Total Wash (760)**. Follow instructions on back label when using **Total Wash (760)**. Sodium bicarbonate and water is also useful in removing Ure-Seal H<sub>2</sub>O residue from equipment **immediately** after application. Mix sodium bicarbonate and water at a ratio of 1 pound of sodium bicarbonate to 1 gallon of water and flush equipment thoroughly. Soap and water may also be used **immediately** after use.

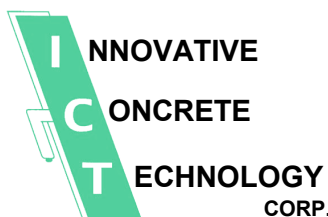
## LIMITATIONS:

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 any additional coats.

## 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 compatibility 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 1800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). *This material contains chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.*



Tomorrow's Technology Today

All Innovative Concrete Technology Corp. products are manufactured with the finest raw materials. Shelf life is 1 year from the date of manufacturing when maintained in protected storage of 50° to 90°F. It is the applicators responsibility to determine the appropriate use of the product. All recommendations and suggestions are made without warranty, expressed 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.	8.8 lbs.
V.O.C.	< 50 grams/liter
Combined Solids (A&B)	45% (±1%)
Gloss @ 60°F Specular	Gloss (150): 90 Natural (151): 20 Mid Gloss (152): 50
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**	2.1-3.3 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 ASTM4060-90 CS17 1000 Cycles	35 mg loss

**HIGHER TEMPERATURES AND HUMIDITY  
WILL REDUCE POT LIFE.**

**DO NOT RE-LID MIXED PRODUCT.**