



# ICT TECHNICALS

## 7:1/Ure-SealH<sub>2</sub>O™ 2-Part Urethane Clear Coat

with Ure-Seal Technology

Item # 153

**Use:** *ICT 7:1 Ure-Seal H<sub>2</sub>O* 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 any properly prepared brick paver and concrete surface for years of service.

**DESCRIPTION:** *ICT 7:1 Ure-Seal H<sub>2</sub>O* has excellent abrasion and chemical resistance with a gloss / semi-gloss finish. The mild odor makes it ideal for interior applications. *7:1 Ure-Seal H<sub>2</sub>O* will not yellow and will form a very hard protective coating for brick pavers and for the use on commercial & residential applications. *7:1 Ure-Seal H<sub>2</sub>O* can be applied 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 *7:1 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 7:1 Ure-Seal H<sub>2</sub>O* is a 2 component product that comes pre-packaged in 5 Gallon kits. If not all the product in the kit is needed *7:1 Ure-Seal H<sub>2</sub>O* can be mixed by using 7 parts of "Part A" and 1 part of "Part B" (i.e.: 7 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 to 3 hours. Pot life will vary based on weather conditions, temperature, humidity etc. Mixed product should NEVER be stored in a closed container.**

**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 7:1 ratio. Dilute that solution up to 1:1. (i.e.: if you have mixed a total of one gallon of product add 1 gallon of water). The second coat should be used the same as the first coat. For a higher gloss or longer durability you can apply the second coat up to full strength.

**Acrylic Overlays (ICT TK2000 w/ Integral Color), Stamp Overlays:** Mix Part A and Part B at the 7:1 ratio. Dilute that solution with up to 1 part water. (i.e:1 gal of mixed product diluted with up to 1 gal of water). The second coat should be applied 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.

**Top Coat Sealers (ICT Color Seal H<sub>2</sub>O Pro, Texture EEZ 3000)** should be sealed with *7:1 Ure-Seal H<sub>2</sub>O* full strength.

**APPLICATION:** *ICT 7:1 Ure-SealH<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 pump sprayer, airless, continuous type 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 *7:1 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 7:1 Ure-Seal H<sub>2</sub>O.** The use of a quality pump up sprayer/continuous sprayer is recommended. Always filter product before filling. A moderate amount of material should be applied. Do not allow *7:1 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 *7:1 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 areas with water. This will allow the sealer to settle and form a more even film. **Roller application is never recommended on brick pavers.**

**NOTE:** Coated surfaces may become slippery when wet. *ICT Diamond Dust (491)* or *ICT Broadcast Blend (495)* while *ICT 7:1 Ure-Seal* is curing to reduce slipperiness.

### CHARACTERISTICS & TECHNICAL DATA

V.O.C.	< 50 grams/liter
Combined Solids (A&B)	30%
Gloss @ 60°	85
Dry to recoat	3/6 Hrs. min./ 24-36 Hrs. max.
Return to service/Light	32-48 Hrs.
Heavy/Vehicular traffic	72 Hrs.
Appearance wet	Milky
Appearance dry	Clear
Coverage	200-300 sq. ft./gal.
Shelf life	1 year @ 77°F
Tire resistance	Excellent
Pot life after mixing	1-3 Hrs. @ 77°F

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

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

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

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## ICT TECHNICALS

# 7:1 Ure-Seal H<sub>2</sub>O™

2-Part Urethane Clear Coat  
with Ure-Seal Technology

### FEATURES AND BENEFITS:

Non-yellowing  
Chemical resistant  
Low V.O.C.  
Interior and exterior use  
High performance

Excellent UV resistance  
Low odor  
Gloss/Semi-gloss finish  
Easy clean-up with sodium bicarb or soap and water  
May be applied to damp surfaces (no ponding or puddling)

Item # 153

### PACKAGING:

5 Gallon Kits

### COVERAGE:

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

**DO NOT** apply 7:1 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 dry. Low temperatures and high humidity will effect drying and curing times.

**DO NOT** apply 7:1 Ure-Seal H<sub>2</sub>O to new cement, mortar, grout, brick pavers, or overlays. ICT recommends a minimum wait/cure time of 28 days before sealing. When sealing brick pavers, refer to manufacturer's wait/cure time recommendation before sealing. **ICT Total Prep (720)** should be used for the aid in removal of efflorescence prior to application of 7:1 Ure-Seal H<sub>2</sub>O.

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

**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.

**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 55°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 when a salt water pool is in use to avoid possible maintenance issues.

**CLEAN UP:** 7:1 Ure-Seal cleans up easily with **ICT Total Wash (760)**. Follow instructions on back label when using **Total Wash (760)**. Sodium Bicarbonate and water is also usefull in removing 7:1 Ure-Seal 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.

**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](http://www.epa.gov/lead).

**PROPOSITION 65 (CALIFORNIA):** This product contains chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

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°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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