URETHANE
CLEAR URETHANE FLOOR COATING
(APPLIES TO MATERIAL PRODUCED 2012 AND LATER)

DESCRIPTION

INCRETE URETHANE is a two-component, light stable (non-yellowing) polyester aliphatic polyurethane. When the two components, polyurethane resin and cure (aliphatic polyisocyanate), are blended, they react to form a chemically cured film possessing excellent chemical and abrasion resistance as well as superior adhesion and hardness. When applied over INCRETE High Performance Epoxy the effect is a high gloss finish with durability that is second to none.

FEATURES

- Low maintenance
- Excellent chemical resistance
- Anti-graffiti coating

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C) - 50% RH
- Mix ratio (A:B) by volume 2 to 1
- VOC Content 330 g/L
- Mixed solids 64% (clear)
- Pot life (1.5 gal volume) 2 to 4 hours
- Hardness, Shore D 62
- Tack Free Time 3 to 5 hours
- Light Foot Traffic 14 - 24 hours
- Final Cure/Heavy Traffic 3 to 5 days
- Flexibility 1/8” (3.2 mm) Mandrel No cracks
- Taber Abrasion CS17 wheel, 1kg load, 500 cycles 22 mg loss
- Finish Characteristics High Gloss
- Impact Resistance Gardner Impact, 160 in/lb Passes

Values presented are typical and not necessarily referenced to create specifications.

ACIDS RATING
- Acetic Acid 5% 2
- Citric Acid 5% 3
- Hydrochloric 10% 3
- Nitric Acid 5% 3
- Phosphoric 20% 3
- Sulfuric 10% 3

SOLVENTS
- Ethyl Alcohol 95% 3
- Ethyl Acetate NR
- Methanol 1
- Methyl Ethyl Ketone NR
- Mineral Spirits 3
- Methylene Chloride NR
- Toluene 2
- Xylene 3
- Trichloroethylene 2
- Isopropyl Alcohol 1

MISC RATING
- Detergent Solution 3
- Ethylene Glycol 3
- Propylene Glycol 3
- Vegetable Oil 3
- Gasoline 3
- NR = Not Resistant
- 1 = Incidental Contact (8 hrs)
- 2 = Splash & Spill (72 hrs)
- 3 = Extended Exposure (7 days)
- D = Discoloration may occur

PACKAGING

0.75 Gallon Kit (1/2 gallon Part A; 1 Qt Part B)

SHELF LIFE

2 years in original, unopened containers

COVERAGE

300 to 500 ft²/gal (7.4 to 12.3 m²/L) Note: Coverage rates are approximate and depend on temperature, porosity and texture of the surface.
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DIRECTIONS FOR USE

MIXING
Increte’s Urethane is supplied in pre-measured 0.75 gallon kits. Pre-mix each component then add Cure to Resin and mix thoroughly for 3 - 5 minutes using care not to induce air. Scrape sides of container at least once during mixing. Do not mix more material than will be immediately used.

SURFACE PREPARATION
This floor coating is designed for application on concrete substrates. All surfaces must be properly prepared before application to ensure successful installation. Improper preparation can result in poor adhesion and delamination from the surface. New concrete surfaces should be allowed to cure for a minimum of 28 days prior to coating. Some concrete surfaces may have a layer of “laitance”. This layer must be removed by mechanical method prior to installation using (ASTM D4258 Standard practice for cleaning concrete for coating). Substrate must be degreased using Increte Systems Grease-A-Way and acid etched for proper coating performance and adhesion. Old or rough concrete surfaces should be prepared and made as smooth as possible. If necessary the surface should be mechanically abraded... (See also ASTM D4259 Standard practice for abrading concrete). Surface must be degreased with Increte Systems Grease-A-Way, and etched with muriatic acid (5 parts water to 1 muriatic acid by volume) until achieving a sand paper-like finish. The concrete must be completely dry before coating. The degree of dryness can be checked by securely taping clear polyethylene plastic sheet over an area of 1 square meter. Evaluate for moisture build up within 16 to 24 hours. Further drying may be accomplished by using infrared space heaters. If the coating cannot be applied after surface prep, be sure to remove all dust or foreign matter before application. For optimum performance prime with Increte High Performance Epoxy.

APPLICATION
For best results pour a thin line of material directly onto the surface and spread evenly with a squeegee. Back roll immediately with a shed resistant roller. Avoid excess rolling to minimize bubbling in the film.

REPAIR/RECOAT
If product requires recoating, the existing coating should be scuff sanded with 320 sand paper. Remove all dust and wipe with solvent such as Solv-Kleen. All dirt, grease and foreign material must be removed before recoating.

OTHER USES
NON-SKID COATING: This product will perform as a non-skid coating by simply adding Shur-Grip or Ultra-Grip at a rate of 8 fl oz per kit of mixed Urethane.

PRECAUTIONS/LIMITATIONS
- Keep away from heat and flame
- Store between 50° F and 90° F
- Ventilation is required for closed areas.
- Use proper safety equipment such as gloves, eye protection, etc.
- Surface must be dry before application.
- Not intended for continuous immersion in water.
- Excessively high film thickness or water may cause surface blistering.
- Application of a test patch is recommended.
- Keep containers tightly closed.
- For clean up use MEK or PM Acetate.
- Always consult MSDS prior to use.
- For Professional Use Only
- Keep out of reach of children

WARRANTY
All recommendations, statements and technical data contained herein based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his use of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person having any injury, loss or damage directly or indirectly resulting from use of or inability to use the product. Recommendations or statements other than those contained in written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.