



URETHANE

PRODUCT NAME

URETHANE

MANUFACTURER & DISTRIBUTOR
OF INDUSTRIAL CHEMICALS
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PRODUCT DESCRIPTION

INCRETE URETHANE is a two-component, light stable (non-yellowing) polyester 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.

FUNCTIONAL CONSIDERATIONS

- Excellent stain, chemical and abrasion resistance
- Excellent UV light stability
- Mix ratio 2 parts Resin to 1 part Cure
- Can be applied over acid-stained or VIBRA-STAINED surfaces.
- Do not apply to concrete with surface temperature below 60F or above 90F
- Avoid application when relative humidity is above 75%
- Do not apply over Clear Seal
- Contains solvents and must be applied only in areas with adequate ventilation.
- Film thickness affects drying time
- Pot life varies depending on mass and material temperature

Coverage per US Gallon:
3-4 wet mils.....250-300 sq. ft.
(1.5-2 mils dry)
When using in conjunction with High Performance Epoxy a thinner coat is recommended:
1-2 wet mils.....500-750 sq. ft.
(.5-1 mil dry)

Weight per U.S. gallon in lbs.
Resin.....8.4 lbs. (+/-0.2 lbs.)
Cure.....8.8 lbs. (+/-0.2 lbs.)
Mixed Viscosity (75° F)...400-500 cPs

MIXING

Increte's Urethane is supplied in pre-measured 1 gallon kits. Add Cure to Resin and mix thoroughly for a minimum of 2 minutes using care not to induce air. Do not mix more material than will be immediately used.

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 3/8" nap shed resistant roller. Avoid excess rolling to minimize bubbling in the film

REPAIR/RECOAT

If product requires resurfacing, the existing coating should be slightly sanded with 320 sand paper, followed by a second sanding with scotch brite.. Remove all dust and solvent. Wipe with Solv-Kleen. All dirt, grease and foreign material must be removed before resurfacing.

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 one pound per five gallons mixed Urethane.

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 infra red space heaters. If the coating cannot be applied after surface prepping, be sure to remove all dust or foreign matter before application.

TECHNICAL DATA

Solid by Weight.....53-54%
Solids by Volume....48-49%
V.O.C.....3.2 lbs/gal
Pot Life @ 77° F (25° C)....4-6 hrs.
Tack Free @ 77° F (25° C)....1.5-4 hrs.
Recoat...8-12 hrs.
Foot Traffic.....24-48 hrs.
Mixing Ratio....2:1

PRECAUTIONS

Ventilation is required for closed areas.
Use proper safety equipment such as gloves, eye protection, etc. Solvent wipe with Solv-Kleen between coats.
For clean up use Increte's Solv-Kleen.
Do not use in proximity of flames or sparks.

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.

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