



W/B URETHANE

PRODUCT NAME

W/B URETHANE

MANUFACTURER & DISTRIBUTOR
OF INDUSTRIAL CHEMICALS
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PRODUCT DESCRIPTION

INCRETE W/B URETHANE is a non-yellowing, 56% solids, 2-component, aliphatic urethane coating with excellent wear and adhesion properties. INCRETE W/B URETHANE meets all of the USDA guidelines for use in federally inspected facilities.

RECOMMENDED USES:

INCRETE W/B URETHANE is recommended as a high performance top coat for epoxy floor coating systems, or as a stand alone sealer.

FEATURES:

- Water-Based...Low Odor
- Aliphatic...Non-Yellowing
- VOC Compliant
- Good Chemical Resistance
- Excellent Abrasion Resistance
- Single or Multiple Coat Application
- No Induction Time

PACKAGING:

- 1 Gallon Kit (3.78 Liters) packaged in a single carton

PHYSICAL/CHEMICAL

CHARACTERISTICS:

Property Typical Values:

Shelf Life: 6 months (between 50°F and 85°F) (10°C and 29°C)

Application Temp & Humidity:

55°F to 85°F (13°C to 29°C) @ less than 75% R.H.

Mixing Ratio (Cure to Resin):

Clear: 1 to 4 by volume, 1 to 3.6 by weight

Working Time: 2 hrs @ 75°F(24°C)

Application Method: Straight Squeegee & 3/8" (.95 cm) Nap Roller

Ready for Recoat: 3 – 4 hours

Ready for Foot Traffic: 12 - 18 hours

Ready for Heavy Traffic: 24+ hours

Bond Strength: 400+ psi 2758 kPa) w/ concrete failure(ASTM D-4541)

Flash Point: >200°F (93°C) (PMCC)

UV Light Resistance: Excellent (QUV)

Hardness (Shore D): 75 (ASTM D-2240)

VOC: 25g/l (EPA Method 24)

Gloss: (60°) 85+

Impact Resistance: >160 in-lbs (18.08 N-m) (ASTM D-4226)

Indentation: None (MIL-D-3134F)

Abrasion Resistance: 0.03 g (ASTM D-4060, CS-17 wheel)

Flammability: Self-Extinguishing

Heat Resistance: (ASTM D-635) Limitation

140°F (60°C) Constant

200°F (93°C) Intermittent

Water Absorption 0.2% (ASTM C-413)

Coefficient of Friction: 0.8 (ASTM F-609)

Viscosity (Mixed): 20-24 Zahn #2

Based upon a 14 days cure at 75°F (24°C)

COVERAGE:

This product should be applied at the rate of approximately 300 sq. ft. per gallon (11.04 m²/L), which is approximately 3.6 wet mils (0.091 mm). As with all coatings, coverage is dependent on the smoothness and porosity of the surface. DO NOT apply this product at a coverage rate less than 200 sq. ft. per gallon (8.59 m²/L), or bubbling and loss of gloss may occur.

SURFACE PREPARATION:

The substrate must be clean, dry and sound with new concrete cured for at least 30 days at 70°F (21°C). Remove dust, laitance, grease, curing compounds, waxes, foreign particles, disintegrated or soft base materials, and any previously applied potentially incompatible coatings. Create a surface profile on concrete by either steel shot blasting or acid etching. If the concrete surface is not prepared properly, product adhesion will fail and warranties will be voided.

FOR BEST RESULTS:

- For Interior and Exterior
- New Concrete must cure for at least 30 days @ 70°F (21°C).
- Reduce with up to 10% water if needed.
- DO NOT Use when humidity exceeds 75%.
- DO NOT Exceed recommended coverage rates.
- DO NOT Allow material to puddle during application.

- Allow each coat to dry tack-free before recoating.
- Apply each coat within 3-4 hours of previous coat. (if longer, abrade the previous coat with scotch-brite or 320 sand paper.
- Discard any material subjected to freezing.
- DO NOT apply to structurally unsound surfaces.

PRIMING:

For optimum results, prime the prepared concrete floor first with INCRETE HIGH PERFORMANCE 2/1 EPOXY.

The primed floor should be tack free and clear in appearance.

DO NOT APPLY OVER ACRYLIC SEALERS.

MIXING:

Avoid mixing and application of this product if the floor temperature is below 55°F (13°C) or above 85°F (29°C). Also avoid application if the humidity is greater than 75% R.H. The temperature of the floor, materials and air in the area of the installation all play a role in how the product will apply and cure.

For 1 gallon (3.78 L) Kits:

Carefully pour the entire contents of the Cure container into the Resin container. DO NOT change the ratio of Cure to Resin. Blend thoroughly for 2 to 3 minutes with a spiral mixing blade attached to a low-speed (400-600 RPM) electric drill. Take care not to introduce air into the material when mixing. This will cause "bubbles" in the coating when applied.

POT LIFE:

At 75°F (24°C) and 50% R.H., the INCRETE W/B URETHANE has a useful working time or pot life of approximately 3 hrs. Using any product beyond this time will result in variable results and therefore any mixed product beyond the pot life should be discarded. Apply all material to the floor as quickly as possible.

APPLICATION:

Apply with a 3/8" (.95 cm) nap shed resistant roller. INCRETE W/B URETHANE must be rolled as evenly as possible. To do this, roll forward in a straight line and then roll the same column backwards to eliminate spike shoe marks. Overlap the next column to be rolled by 1/2" (1.3cm) with the previously rolled column. Avoid excess agitation of the liquid with the roller. This will lessen chances of bubbling of the final film. To achieve a smooth surface, it is recommended to re-roll the coating with a spiked roller to eliminate all subsurface bubbles, and alleviate fish eyes. The individual(s) applying INCRETE W/B URETHANE should be wearing spiked shoes. INCRETE W/B URETHANE can be applied at the rate of 450 sq. ft. per gallon (11.04 m2/L). Allow the coating to dry thoroughly before mixing and applying the next coat. It should be tack free before recoating (this takes between 3-4 hours @ 75°F (24°C) and 50% R.H).

CLEAN UP:

Application equipment should be cleaned using soap and water, immediately after use, or solvent if necessary

DISPOSAL:

Empty containers may contain product residue, including flammable or combustible vapors. Do not cut, puncture or weld near these containers. Label warnings must be observed until containers have been commercially cleaned or reconditioned. Containers to be thrown out must be disposed in accordance with federal, state and local regulations. Use only licensed hazardous waste disposal companies.

MAINTENANCE:

For optimal floor appearance and performance following installation, refer to **INCRETE'S Floor Maintenance Instructions.**

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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