



**PRODUCT NAME**

**2K-URETEL-WB**

**Water-Based Anti-Graffiti Coating**

**MANUFACTURER**

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**FEATURES**

- Water-based
- Low odor and V.O.C. (Volatile Organic Compounds)
- Excellent hot print resistance properties
- Fast dry and early water resistance
- Non-staining
- Excellent scrubability and abrasion resistance
- Non-flammable
- Excellent water and chemical resistance
- Excellent clarity and block resistance
- Excellent leveling, flow, and microform-free properties
- Excellent adhesion to variety of substrates
- Mildew resistance property
- Outstanding exterior properties, UV and yellowing resistance

**PRODUCT DESCRIPTION:**

**Basic Use**

**2K-URETEL-WB** is a two component, very versatile water-based, self cross-linking Urethane.

**2K-URETEL-WB** is a high performance topcoat, specially formulated to meet the conditions and properties required for anti-graffiti coatings.

**COMPOSITION AND MATERIALS:**

**2K-URETEL-WB** is a 2-component, water-based, self cross-linking Aliphatic Urethane coating

**LIMITATIONS:**

DO NOT USE THIS PRODUCT IF TEMPERATURE IS LESS THAN 10C (50F) AND HUMIDITY IS > 60%. Similar to any water borne coatings, **URETELS** are not recommended to be used in wet environment, especially as floor coatings. Continuous pressurized water washing is not recommended.

**HEALTH AND SAFETY:**

**K-URUTEL-WB** is nontoxic and nonflammable. However, we recommend use of rubber gloves. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if swallowed, do not induce vomiting. Drink 1-2 glasses of water or milk. Keep product out of reach of children. Consult MSDS for additional information

**PACKAGING:**

**K-URUTEL-WB** is packaged in 1 gal, and 5 gal pails.

**STORAGE AND TRANSPORTATION**

**K-URUTEL-WB** when stored in a dry, cool area has a shelf-life of 12 months. **Keep from freezing.**

**TECHNICAL DATA:**

<b>Colour:</b>	Clear and pigmented
<b>Resin Type:</b>	Aliphatic Urethane
<b>Percent Solids:</b>	30 +/- 2 (vol.) Clear 45+/- 5 (vol.) pigmented
<b>Coverage: (DFT)</b>	11-12 M <sup>2</sup> /lit @ 25μ 300-500 ft <sup>2</sup> /US gal @ 2 Mils
<b>Sheen (60°):</b>	Gloss (85-90%) Semi-gloss (70-80%) Flat (1-2%)
<b>Drying Time:</b> @ 75°F (23°C), 55% RH	1 hr - to touch 7 days - full cure
<b>Pot Life: (2K)</b>	24 hrs
<b>Reducer/Cleanup:</b>	Water
<b>Viscosity: 23°C (75°F)</b>	55-75 KU
<b>V.O.C. (Without water)</b>	<185 grams/liter (1.55lb/gal)
<b>Specific Gravity</b>	1.03 +/- 0.01 g/L 8.6 +/- 0.08 lb/gal
<b>Flexibility (Mandrel Bend) ASTM D-522</b>	Pass 0.25" (6.3mm), 180 degree
<b>Abrasion Resistance (ASTM D4060-01)</b>	1000g load 1700 cycles C-S wheel: 15 mg loss
<b>Hardness (Pencil)</b>	H-2H
<b>Tensile Strength: (psi)</b>	7000
<b>Modulus 10%: (psi)</b>	6000
<b>Elongation:</b>	100%
<b>pH</b>	8-9.5

**SOLVENT RESISTANCE:\***

MEK Double Rubs	100
IPA Double Rubs	100
Xylene Double Rub	100

**STAIN RESISTANCE, 4 HOURS EXPOSURE:\***

Black Marker	5	Ball Point Ink	5
Crayon	5	Lipstick	5
Shoe Polish	4	Iodine	2
Dye	5	Coffee	5
Tea	5	Water	5
Mustard	5	Ketchup	5
Nail Polish Remover	2	Urine	5
50% Ethanol/Water	4	Nail Polish	5

**CHEMICAL RESISTANCE, 4HOURS EXPOSURE:\***

10% Acetic Acid	4
2% Nitric Acid	5
10% Sulfuric Acid	5
10% Sodium Hydroxide	5

**STAIN RATING**

(Rating: 5= Excellent, 4 = Very good slight stain, 3 = Good with stain, 2 = Fair, 1 = Poor, 0 = Failed)

❖ **All data are based on catalyzed URETEL and 3 Mils wet films**

**SURFACE PREPARATION:**

All surfaces to be coated must be free of dirt, oil, and any other contaminants that may prevent proper adhesion. Clean the plastic surfaces with Isopropyl Alcohol.

For coatings over Polyethylene or Polypropylene plastics always used adhesion promoter primers suitable for the PE and PP. Consult with Trendco sales representative for different Adhesion Promoter primers.

For wood substrates pre-finished by UV curing coatings or other seamless coatings, use Acrylic SuperBond Primer, as the primer for sanding-free application.

**Note: The surface must be completely cleaned and dried; otherwise the paint may not bond properly to the surface.**

**APPLICATION:**

For improved adhesion, water and solvent resistance, as well as better exterior durability small quantity of **CROSSLINKER** is recommended. The amount of cross linker is 50 grams per gallon. The cross linker should be added slowly under medium agitation with power tools. Pot life of catalyzed coating is 18-24 hours. Roller, spray gun and brush can be used to apply **2K-URETEL-WB**. Recoat time between each coat is a minimum 1hour and maximum 24 hours. **2K-URETEL-WB** can be applied with brush, roller or airless spray.

**NOTE:** Film Formation of **2K-URETEL-WB** depends on temperature and humidity. Minimum Film Formation Temperature is 10°C (50°F) and Maximum Relative Humidity is 60%.

As a rule, lower temperature and higher humidity will result in longer curing time.

**Clean up**

Wash all tools and equipment immediately with warm water and mild detergent.

**MAINTENANCE** None required.

**WARRANTY**

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Trendco Head Office.

**TECHNICAL SERVICE**

For advice on suitability of **2K-URETEL-WB** for a specific application, specification assistance and application instructions, contact Technical Service: 905-791-3378