

Ultra Tred Solvent Borne Polyurethane - F017 Series

Product Description

Solvent Borne Polyurethane is a two component, high solids aliphatic polyurethane formulated to comply with California VOC regulations. This product offers a remarkable combination of performance properties not found in other polymer coatings. Solvent Borne Polyurethane produces protective films which are hard, flexible and very impact resistant. These coatings feature high abrasion and scratch resistance, exterior durability, easy soil release and excellent resistance to a broad range of chemicals.

Recommended Use

Solvent Borne Polyurethane has been designed as a high performance top coat in various protective coating and seamless flooring applications. It provides maximum cleanability and stain resistance when used as a finish coat in color chip flooring or epoxy-quartz flooring. This coating is ideally suited for clean-room floors, automotive repair facilities, aircraft hangars and other high wear areas requiring resistance to fuels and chemicals. When used as a finish coat in wall coating systems, anti-graffiti properties are greatly enhanced.

General Surface Preparation

Solvent Borne Polyurethane is intended to be applied over primed or previously coated surfaces. Do not apply directly to concrete. Surface must be absolutely clean, dry and free from all dirt, wax, oil, chalk, incompatible paint or detergent film. Fully cured, previously coated surfaces must be cleaned and sanded lightly with 80-100 grit sandpaper or otherwise mechanically abraded before recoating. If multiple coats of Solvent Borne Polyurethane are applied, apply additional coats as soon as possible. If more than 24 hours has elapsed or the coating cannot be indented with a fingernail, lightly sand surface to ensure proper adhesion.

Application

Mixing Instructions

Mix only that amount of material that can be used in a 2 hour period at 77°F. In hot weather, mix smaller batches. If using the pigmented system, premix part A well before adding part B. Combining ratio is 2 parts A to 1 part B. Proportion the amounts carefully and mix for two full minutes using a slow speed drill, scraping the bottom and sides of the mixing container. Material is normally applied as received but may be thinned with up to 15% solvent. When thinning in California, the compliant solvents acetone and PCBTF must be used. In hot weather, PCBTF is preferred due to its slower evaporation rate. In non-California use, MEK or Xylene are the preferred solvents. Avoid contamination with moisture. Reseal partially used containers completely after use.

Application Recommendations

Solvent Borne Polyurethane may be applied by brush, roller and/or squeegee. Apply at 275-350 sq. ft. per gallon with 3/8" or 1/2" nap roller as a finish coat over primed concrete. May be applied up to 200 sq. ft. per gallon as a fill coat in aggregate-filled flooring systems using a rubber squeegee and back rolling with a 3/8" nap roller.

Clean up

Clean tools and equipment with MEK or xylene. Do not use water on natural bristle or china bristle brushes.

Architectural Specifications

Properly Profiled Concrete

1 Coat Epoxy Primer F01803

1 Coat Solvent Borne Polyurethane F017 Series Pigmented

1 Coat Solvent Borne Polyurethane F01703 Clear (optional)

Note: Solvent Borne Polyurethane Clear F01703 can not go over Epoxy Primer F01803 Clear. Epoxy Primer must be coated with F017 pigmented.

OR

1 Coat Epoxy Primer F01803 Clear

1 Coat 100% Solids Epoxy Pigmented F016 Series

1 Coat 1 Coat Solvent Borne Polyurethane F01703 Clear (optional)

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Note if adding Fix All Decorative Flakes, 1 Coat of Clear F01603 or F01703 is recommended.
For Additional Specifications, see our FixAll Flooring Solutions Guide

Precautions

Material is flammable. Extinguish all flames, pilot lights and electric motors until all vapors are gone and the coating is hard. The vapor is harmful. Use only with adequate ventilation/or appropriate cartridge-type respirator. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.

Limitations

- Do not use on unprimed substrate.
- Cannot be used over Solvent sensitive materials

Environmental Health and Safety Information

Properly mixed A and B Components (residuals in buckets, on brushes, roller covers, etc.) are considered to be inert and disposed of as non-hazardous waste. Acetone can be used to clean up equipment, roller frames, squeegees, etc. Contaminated work clothing should not be re-worn. Unmixed Resins and Hardeners must be disposed of based on local regulations.

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WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Lead Warning ! - If you scrape, sand or remove old paint from any surface, 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. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

CAUTION! FLAMMABLE LIQUID AND VAPOR: Keep away from heat, sparks and flame. Vapors may cause flash fire. Close container after each use. Use only with adequate ventilation. Wash thoroughly after handling. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. KEEP OUT OF REACH OF CHILDREN. Working with flammables and combustibles: Fire extinguishers, a safety shower, and fire blankets must be immediately available. Use only explosion-proof electrical equipment, including lighting. Do not leave any material or equipment unattended.

All equipment must be grounded and non-sparking tools and appropriate footwear should be used.

Some paint products may contain chemicals which are harmful if they come in contact with exposed skin. Protection for exposed skin (gloves, protective creams) should be available, and used per product directions.

Always use any paint product with proper ventilation. Provide general dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the applicable exposure limit (OSHA PEL) of the components being used. This information is listed on the appropriate Material Safety Data Sheets. All application areas should be ventilated in accordance with applicable OSHA regulations, contact your local office for specific information.

In an enclosed area and as required, always wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application of any coating unless air monitoring demonstrates that vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use.

All floor coatings are more slippery when the surface becomes wet or contaminated by dirt, oils, food, or beverage residues, or other debris. To help reduce the possibility of slipping on a dry, clean floor, add Slip Resistant Additive F09098 before application. To attain the best possible skid resistance, coated areas must be kept dry, properly cleaned and maintained.

CAUTION! Combustible Liquid: Keep away from heat and flame. Close container after each use. Use only with adequate ventilation. Wash thoroughly after handling. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. KEEP OUT OF REACH OF CHILDREN. Working with flammables and combustibles: Fire extinguishers, a safety shower, and fire blankets must be immediately available. Use only explosion-proof electrical equipment, including

Technical Data

Product Type	Industrial
Exposure	Interior/ Exterior
Specular Gloss	90° ± 2
Volume Solids	55.86% ± 2
Weight Solids	61.36% ± 2
Vehicle Solids	53.18% ± 2
Pigment	8.17% ± 2
Wet Film Thickness	4.5 - 6.0 mils
Dry Film Thickness	2.3 - 3.5 mils
Viscosity @ 77 °F	250 cps
Max VOC	100 g/l
Flash Point ° F	180°F
Thinner	MEK/Xylene
Clean - up	MEK/Xylene

Surface Spread Rate

Profiled Surface	275-350 s.f./gal.
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Drying Times

To Touch	4-6 Hours
To Recoat	10-12 Hours
Light Traffic	24 Hours
Full Cure	7 Days
(@ 70 - 77 °F, 50% R.H.)	

Surface Temperature At Application

Minimum: Over 40°F	Maximum: Under 90°F
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Storage Temperature

Store Between Over 50°F to Under 90°F

Tools & Equipments

Brush	Cheap Bristle
Roller	3/8" - 1/2" Nap
Airless Spray	Not Recommended

Available Package Sizes

(Weight Per Gallon: 9.44 lbs. ± .5 lb)

Available Colors and Bases

Available in 4 stock colors

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lighting. Do not leave any material or equipment unattended.

FIRST AID: In case of eye contact, flush immediately with water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, seek medical attention immediately. If swallowed, rinse mouth with water (only if person is conscious). Call for medical assistance immediately. Do not induce vomiting unless directed to do so by medical professional.

WARNING! Use only with adequate ventilation. Do not breathe spray or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

USE COMPLETELY OR DISPOSE OF PROPERLY: Dispose of in accordance with applicable Federal, State and Local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. For recycling guidance of any unused amount, contact your local or provincial organization of recovery, recycling and disposal for regulations.

Place the rags in an empty metal container that has a tight metal lid such as a paint or stain can. Fill the container with water until the rags are submerged; Fill Place the metal lid tightly over the water soaked formerly combustible rags. Place lid tightly on container. Coontact local municipal offices for disposal directions. Never dump solvent down any household or external drains or in any open water.

Notes