

## POLYBRIGHT MCU VOC ALIPHATIC MOISTURE CURE URETHANE



“The Innovating Company”

### PRODUCT DESCRIPTION

**POLYBRIGHT MCU VOC CLEAR** is a premium, single component clear polyurethane coating in a VOC compliant formula. This high solids, solvent borne, moisture cure urethane has been specifically formulated for sealing and protecting interior, exterior, plain or colored concrete, acid stained floors, masonry, precast concrete, cementitious overlays, wood floors and architectural concrete of all kinds.

PolyBright MCU VOC offers an excellent combination of film hardness, superior abrasion and excellent chemical resistance. Recommended for use where a hard, high gloss non-yellowing clear finish is desired. PolyBright MCU VOC provides an exceptionally hard and chemical resistant system for coating architectural concrete and overlays such as DecoTop. This single component moisture cure clear polyurethane reacts with the moisture in the air cross-linking into a tough flexible resilient coating.

PolyBright MCU VOC is easy to maintain in interior applications with a premium floor finish such as Final Coat, which may be stripped and reapplied many times without damaging the coating.

### ADVANTAGES:

- VOC compliant in all states, CA & NY included.
- Dries water clear while enhancing the depth of color on decorative surfaces, architectural concrete and acid stained floors.
- UV stable non-chalking & non-yellowing formula may be used inside or outside.
- Provides full high gloss wet look.
- Excellent chemical resistance to oil, gasoline, grease, acid and most common chemicals. Ideal for commercial and high traffic applications.
- Superior abrasion resistance and flexibility, an ideal combination of properties for a quality floor coating.
- Single component ready to use product, no mixing required.
- Low maintenance need only be protected with a floor finish like Final Coat.
- Will resist continuous floor finish stripping on commercial flooring applications.

- Excellent light reflecting properties. Will help save on energy costs on industrial warehouses.

### SURFACE PREPARATION:

All concrete, masonry or cementitious overlays must be completely dry and free of oil, grease, curing compounds and any other foreign material that may inhibit the penetration of the sealer into the surface applied to, wood floors should be sanded. New decorative surfaces need to be clean and free of debris. Acid Stained floors should be neutralized with baking soda and water, ammonia or any other neutralizing agent, the surface must be fully dry before sealer application. The surface should be properly prepared by mechanical or chemical means to achieve a texture conducive to proper bonding. If the surface is too smooth the coating may not adhere correctly and may become brittle, whiten or delaminate.

### APPLICATION:

A representative area should always be coated prior to general application to test for color, adhesion, performance and workmanship. PolyBright MCU VOC application does require a level of workmanship; the applicator should be skilled and familiar with the characteristics of PolyBright MCU VOC. Surface must be thoroughly prepared and dry before coating is applied. Mix well before use and apply at a rate of 300 to 400 square feet per gallon with a solvent resistant 3/16" to 1/4" nap roller or airless sprayer, do not use hand pump sprayers as they do not produce an even coat and tend to puddle too much material. Apply evenly and in thin coats while maintaining a wet edge. Do not allow puddling or to collect in joints, use a rag or a brush to remove the excess. If rolling the material, always back roll to avoid roller marks and better uniformity. It's always good practice to divide the work area into sections (usually using control joints) to ensure proper application results. Do not allow puddling or apply thick coats. A minimum of two coats is recommended. A second coat may be applied after 6 to 8 hours. A manufacturer recommended catalyst may be added to shorten the in-between coats time. Wear a NIOSH respirator and make sure area is well ventilated.

**MAINTENANCE:**

PolyBright MCU should be protected with Final Coat floor finish to ensure a long lasting easy to maintain finish that complies with UL slip resistance standards. Final Coat is a premium floor finish that provides a tough protective shell over coatings. Read Decosup’s Final Coat technical data sheet before application. A minimum of 5 coats is recommended for commercial floors.

**PHYSICAL PROPERTIES:**

Solids by weight:.....45% +/- 2 %  
Coverage:..... 400 ft<sup>2</sup> per gallon  
VOC.....390 gms per liter  
Gloss:..... >90 @ 60°  
Pencil Hardness.....2H  
Abrasion Resistance-Taber:..... 4.3 mg. Loss  
Application Temperature:.....45°F to 90°F  
Tack Free:..... 3-6 hours  
Recoat: ..... 6-12 hours  
Light Foot Traffic:..... 24 hours  
Full Cure:.....3-5 days

**LIMITATIONS:**

- For flooring application consider using slip resistant aggregate.
- Do not apply in thick coats. Improper or too thick of an application may cause it to foam, whiten, become brittle or delaminate.
- Flammable, use caution when using, apply on a well-ventilated area using proper respiratory and general protection equipment.
- Do not apply over wet or damp floors. Always apply over a well-drained sub grade not subject to hydrostatic pressure and not more than 3 pounds per square foot for every 1000 square feet of moisture content. .

Additional product data, complete technical support and product specifications are all available through Decosup Inc. or their local representatives. Every reasonable precaution and effort has been taken in the manufacturing of all Decosup products to comply with the published product data. Actual product performance may vary slightly.

**PRECAUTIONS:**

**FLAMMABLE:** Contains xylene (xylol). Vapor and spray mist maybe harmful. Overexposure may cause

lung damage and allergic skin and respiratory reactions.

Repeated and prolonged exposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness, and loss of coordination are signs that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Do not breathe vapor or spray mist. A **POSITIVE-PRESSURE, SUPPLIED-AIR RESPIRATOR IS RECOMMENDED** with eye protection, gloves, and protective clothing during application. A vapor particulate respirator may be appropriate where airborne monitoring demonstrates vapor levels below ten times the applicable exposure limits. In all cases, follow respirator manufacturer’s directions. Do not permit anyone without protection in the painting area. Keep away from heat, sparks, and flame. **VAPORS MAY CAUSE FLASH FIRE.** Close container after each use. Use only with adequate ventilation. Do not breathe vapors, spray mist, or sanding dust. Do not get in eyes or on skin. Wash thoroughly after handling.

**FIRST AID:** If affected by inhalation of vapors or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label information available. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call a physician. For skin, wash thoroughly with soap and water. In case of ingestion, **DO NOT** induce vomiting. Get medical help immediately.

**IN CASE OF: FIRE** – Use foam, CO2, dry chemical, or water fog.

**SPILL** – Absorb with inert material and dispose of in accordance with applicable regulations.

**DISPOSAL:** Empty container with product residue may still be flammable; follow all hazard statements until it has been disposed of. Contains organic solvents, which may cause adverse effects on the environment if disposed of improperly. Consult your sanitation department for more information on disposal of empty containers. Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. Contact your state-designated environmental agency for information concerning re-use, recycling, or disposal of solvent-borne paint.

**WARRANTY:** **DECOSUP** warrants this product to be free from manufacturing defect. Since no control is exerted over it's application and use, **DECOSUP** makes no warranty, either expressed or implied, concerning this product. Seller and manufacturer's obligation shall be limited to replacing that portion of the product proven to be defective.



Made in USA  
For professional use only  
Consult Material Safety Data Sheet before use.