



UV-Curable Protective Sealer

DESCRIPTION:

MULTICOAT UV-SEALER is a gloss, one component, ultraviolet-light cured protective sealer. It offers outstanding durability to protect against abrasion and chemical attack. It incorporates a unique resin blend, providing excellent protection properties. It's fast cure allows projects to be completed in less time than when using a conventional chemical cured resinous material. A special chemistry is infused into MULTICOAT-UV SEALER to help prevent the growth of damaging bacteria, as well as inhibit stains and odors caused by bacteria.

ADVANTAGES:

- Repels Stains, Oil, Abrasions and Chemicals
- Environmentally Friendly "Green"
- Enhances the Surface Appearance
- UV Light Cured
- Quick Project Completion
- Eliminates Liquid Intrusion
- Anti-microbial

BASIC USE:

MULTICOAT UV-SEALER is used to protect Concrete, Terrazzo, Epoxy and VCT flooring in a variety of locations such as: schools, grocery stores, restaurants, warehouse floors, aviation hangars, food processing, industrial areas, automotive service bays, etc. It may also be used as a top coat for other resinous flooring systems on new and existing re-coats.

PACKAGING:

MULTICOAT UV-SEALER is packaged in 5-Gallon Pails.

COVERAGE:

Average coverage rate for a single VCT coat is 600sf per gallon. Concrete requires 2 coats and will yield 275-400sf per gal. Coverage rates will vary due to substrate porosity.

SUITABLE SURFACES:

Cementitious Prepared Surfaces. Use Multicoat's "Vapor Shield" to densify and prepare the substrate before application of MULTICOAT UV-SEALER.

SURFACE PREPARATION:

The surface must be clean, dry and free of any dirt or dust before application is performed. Prepare the surface by grinding only with a metal bond diamond blades (50 grit – 100 grit) to maximum refinement showing no or minimal scratch pattern. This might require two diamond steps. Finish with a thorough auto-scrubbing with clean water.

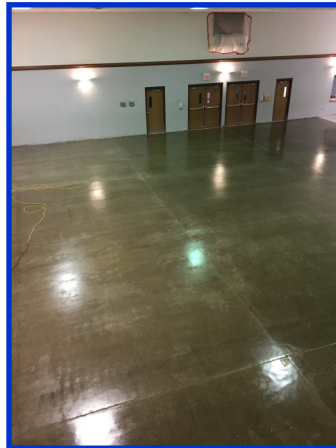
Example: 1st diamond cut – 50 grit metal, 2nd diamond cut – 100 grit resin.

MIXING:

MULTICOAT UV-SEALER is shipped as a single component clear resin. DO NOT THIN. Agitate/mix for 1-2 minutes prior to use.

MOCK-UP:

Mock-up Test Section: Before finalizing application techniques a job site mock-up should be installed to determine suitability for SCOF (Static Coefficient of Friction), on the floor being coated. Gloss level, color enhancement, overall appearance and overall suitability must be approved by the owner or owner's representative prior to the start of the installation.



MULTICOAT UV-SEALER



APPLICATION:

Roller - When MULTICOAT UV-SEALER is thoroughly agitated, use the dip and roll method to assure the even distribution of coating over the surface. Follow with a back-rolling technique using the roller approved for the system to level the material.

Extreme Protection: For high abrasion or chemical attack or on very porous substrates a second coat should be applied to develop a void free protective film.

Curing: After allowing the material to absorb and flow, cure the material with the approved UV curing system equipment. The correct wave length and speed of the machine is critical in the development of the material's cured properties. After the first coat has been cured, screen using a 100 or more grit screen abrading the surface. A scratched surface profile is required for adhesion of the second coat. Completely remove all residual debris/screening dust from the surface. If water is used allow surface to completely dry before continuing. Apply and cure second coat in the same manner as the first coat.

PRECAUTIONS:

Avoid UV light and/or sealer contact with eyes, skin and clothing. Avoid inhalation of vapors. Wash thoroughly after handling this material. KEEP OUT OF REACH OF CHILDREN. Remove animals from the area until the material has been cured. Do not reuse the empty container and dispose of containers in accordance with all applicable regulations. Cured material is considered non-hazardous.

LIMITATIONS:

Exceeding the recommended wet film thickness or improper surface preparation could cause blistering or cure lines during the curing process. The grit level to prepare the surface must not exceed 100 grit metal bond diamond.

STORAGE:

Store at 40° to 90° F. Shelf life approximately 12 months. Protect from freezing. Do Not X-ray. MULTICOAT UV-SEALER should be kept away from oxidizing agents, acids, alkalis, catalytic metals and polymerization initiators.

CLEANING:

Clean tools and equipment with xylene, methyl ethyl ketone or acetone before the material is cured. Once the material is cured with the approved UV light source it can only be mechanically removed.

SAFETY:

UV Personal Protective Equipment should be worn to shield the UV light from the operator; even bounce (reflected) light should be minimized or avoided. Wear UV safety glasses and nitrile or butyl rubber gloves and also cover arms and body. Keep unauthorized visitors and personnel away from UV light source.

TOOLS:

Special tools are required. Ask about the grinding and UV tools available at Multicoat Products Inc.

Liquid Properties

Property	Measured Value	Method
Regulatory VOC, g/l	<10	SCAQMD r 1113
Viscosity, cp @ 73°F	154	ASTM D4287
Appearance	Opaque, colorless	Visual

Cured on VCT Tile

Property	Measured Value	Method
60° Gloss	88-89	ASTM D523
Pencil Hardness Gauge	> 7H	ASTM D3363
Abrasion Resistance, weight loss, mg	38	ASTM D4060 (1000 cycles)
Solvent Resistance	> 2000 MEK, double ribs	ASTM D5402
Cross Hatch Adhesion	5B	ASTM D3369

WARRANTY:

WARRANTY: Materials are guaranteed with respect to uniformity and quality within manufacturer's specifications.

WARRANTY DISCLAIMER: There are no warranties which extend beyond the description of the fact hereof. Seller expressly disclaims all other warranties regarding the use of its products, whether expressed or implied, including the implied warranties of merchantability and for fitness of a particular purpose. Since use of the product is beyond the Seller's control, the Buyer assumes all risk of use.

EXCLUSIVE REMEDY: Seller's sole obligation, and buyer's exclusive remedy shall be to replace material if found to be defective.

DAMAGE LIMITATION: Seller shall not be liable for any damages, injury, loss, direct or consequential, resulting from its products. The parties intend that the limitation of damages, including consequential damages, applies even if the exclusive remedy provided for herein fails of its essential purpose.

FOR PROFESSIONAL USE ONLY: Multicoat products should be used by licensed contractors. Multicoat is not a contractor and the contractor remains liable for all damages and inadequate product performance caused by construction means, methods, sequences and techniques that are used to install the product which may include: design and construction of the substrate and the selection and installation of all sealants, flashings, and related components.

WEST COAST
Toll Free (877) 685-8426

Website: www.multicoat.com
Email: info@multicoat.com

EAST COAST
Toll Free (800) 660-6729



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