PRODUCT DATA SHEET

Premium Waterborne Floor Coating

DESCRIPTION

Gemini's Premium Floor Coating is a waterborne urethane specifically designed for use on flooring where hardness, flexibility, chemical, and abrasion resistance are required. This product is an aliphatic urethane which results in excellent UV resistance and makes it an excellent choice for cabinetry, fixtures, millwork, and limited use on exterior doors. For wood substrates only.

PRODUCT NUMBERS / SHEENS

WUC-0090 Gloss

WUC-0060 Semi-Gloss

WUC-0030 Satin

WUC-0010 Flat

PRODUCT ADVANTAGES

- Extremely Durable
- Solvent Resistant
- Chemical Resistant
- Impact & Abrasion Resistant
- Can Be Used As A Single Or Dual Component System
- May Be Used For Exterior Application With Limited Exposure And Vertical Application Only*

Chemical Resistance:

(1 mil dry on cold rolled steel, air dry 7 days)

Toluene, 1 hour immersion No Effect

Gasoline, 1 hour immersion No Effect

Glacial Acetic Acid, 1 hour spot test- Slight softening0recovers

1 N NaOH, 1 hour spot test-No Effect

*May be used for exterior, vertical application only, and only in areas with protection and limited exterior exposure such as an exterior front door.

COATING PROPERTIES

Viscosity: 18-25 #2 Zahn
Weight Solids: 31%
Volume Solids: 26.9%
Weight/Gallon: 8.6 lbs./gal

VOC (Act./material): .23 lb./gl. or 28 g/l
VOC (Reg./coating): .53 lb./gl. or 63.6 g/l
VOC Ratio: 0.086 lb.VOC/lb. Solids
HAPS Ratio: 0.00 lb. HAPs/lb. Solids

Coverage: 431 sq. ft. per gallon at one mil dry film thickness.
Dry Time:
Set To Touch: 20 minutes
Dry To Touch: 35 minutes
Dry To Recoat: 2-3 hours
Always allow 2-3 hours between coats.
Will achieve optimal hardness after 7 days.

(Note: relative humidity and temperature will effect dry time)

Pot Life: 24 hours (if catalyst is used).

Shelf Life: 12 months if unopened and stored in a cool dry area. Always rotate stock.

Protect product from freezing.

Airless Equipment Usage:

****Due to the nature of this product, when used in airless equipment that is not a stainless steel system; pumps require daily flushing and cleaning. Do not leave product in the system overnight as discoloration can take place due to reaction between the coating and non-stainless metals. ****

PREPARATION INSTRUCTIONS

Catalyzation:
This product should be catalyzed for maximum performance.
Use M702 catalyst at 3 fluid ounces per gallon.

Reduction/Thinning:
No reduction or thinning is recommended.

Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.

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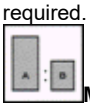
Substrate preparation:
New wood: Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%.
Sand to 150-180 grit. Proper sanding of wood is absolutely critical to achieve the best color development and adhesion of the coating to the substrate.
Old wood: Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish same as new wood.



Mixing Instructions:
Do Not Shake! For maximum performance add M702 catalyst at 3 oz per gallon. Mix material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed.

Application:
If using this system over oil based stains- A test panel for adhesion checks must be prepared and adhesion with the system you intend to use should be verified before proceeding.
Recommended application is with a Medium T-Bar applicator or brush. This material may be sprayed as well. Always measure the moisture content of the wood. Sand floors using accepted NOFMA/MFMA procedures.

Edge out 6 inches from the baseboard or wall with a paint pad or polyester brush. Stay within 2-3 feet of the puddle line to avoid lap marks, streaking, or thicker film build. Be sure to feather edges. Starting from the head wall, pour a 4 inch wide line of finish the length of the floor going with the grain. Stop about 3 feet from the opposite wall. Hold applicator at a slight angle and drag it in a “squeegee” or “plowing” type motion to move the puddle from one side of the room to the other. Overlap 2 inches of the previous pass and pull parallel passes until the entire floor is coated. Brush out all turns, stops, and other applicator marks in the same direction as the puddle line. Add finish to the puddle line when needed to maintain a wet edge across the room. When you are 2-3 feet from existing wall, begin to taper the puddle line down to a nickel sized bead. Allow each coat a minimum of 40 minutes to level.
After the finish levels, place fans in an adjacent area to pull moisture away from the job site. When each coat has dried a minimum of 2-3 hours, re-check moisture content. If moisture content is not equal to the first reading, allow more time before proceeding to the next coat.
This product must not be polluted with oil, solvent based paint or the like and should not be applied to metal surfaces. Application and drying conditions must be at temperatures of 64°F or above and at a humidity of less than 65%. Increased air flow and/or drying temperatures will significantly decrease dry times.

Recommended Tip Sizes If Spraying:

Conventional Air	1.8 mm
HVLP	1.9-2.0 mm
Airless	12-15 thousandths
Air Assisted Airless-	13-15 thousandths

Precautions:
These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturer’s products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations

Equipment:
All equipment used with this product must have plastic, stainless steel, or Teflon fluid passages and wetted parts

Containers:
We supply this material in a lined container. All containers used in conjunction with storage and/or application of this product must be stainless steel, plastic, or otherwise acid resistant.
Clean up:
Use water to clean all equipment when material is in a liquid stage. Use 2:1 mixture of water and Butyl Cellosolve (SOL-0061) to remove semi-dried coating. Use Acetone to remove dried coating. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

Care and cleaning of this finish: Use a mild dishwashing liquid and a damp cloth to remove food, grease, and other residue. Wipe dry. Do not use cleaners that contain ammonia, bleach, or abrasives as this may damage the finish.