LIFE SPECIALTY COATINGS Est. 1963

CLEAR SEALERS TECHNICAL DATA SHEET

4001 GLOSS /4002 SATIN

Urethane Acrylic Sealer

DESCRIPTION

Life Specialty Coatings Urethane Acrylic Sealer is a premium quality crystal clear coating that provides a tough, durable surface. Great as a protective coat over Life Specialty Coatings colored topcoats, waterproofing systems, concrete resufacing system, and sealing concrete.

FEATURES & BENEFITS

- Light Chemical Resistant
- Stain Resistant
- Abrasion Resistant
- Non Yellowing
- Repels Oil, Grease, & Water

USES

For interior and exterior surfaces. It may be applied to Life Specialty Coatings FM, AL, AL Flex, TC, and MC Decking Systems.

- Concrete Floors
- Walk Ways
- Patios
- Pavers
- Brick Walls
- Woods

PACKAGING/FINISH

- 4001 Gloss
- 4002 Satin
- Quarts
- 1 Gallon
- 5 Gallons

COVERAGE:

Life Specialty Coatings 4001/4002 Sealer topcoat may be rolled, brushed or sprayed. The coverage will vary with surface porosity and profile. You can expect up to 300 square feet per gallon on a smooth surface and between 250 to 300 square feet per gallon on a rough surface. For best results apply two thin coats.

TECHNICAL & PHYSICAL PROPERTIES:

FILM PROPERTIES			
Drying time	(70°F, 50% RH)	Direct Impact	>160
Set to touch	< 15 min	Reverse Impact	>160
Tack-Free	< 20 min	Taber Abrasion	50.5 mg
Dry Hard	< 30 min	60° Gloss (ASTM D-1308)	> 90
Pencil Hardness	HB	Contrast Ratio (ASTM 2805)	> 90

ADHESION:			
Dry Tape Test (ASTM D-3359)	5A	Wet Tape (24 hr/70°F)	5A
Dry Scrape Adhesion (ASTM D-2197)	9 kg	Wet Tape (4 days/70°F)	5A

TECHNICAL & PHYSICAL PROPERTIES:

WEATHERING:	
QUV - "B Bulb" (1000 hr) (ASTM D-4587-91)	>92% gloss retention, 1.6 Delta E color change
Xenon Arc (1000 hr) (ASTM G-26-92)	>94% gloss retention, 0.9 Delta E color change

HEAT RESISTANCE (24 HR/250°F):	
Delta E color change	<2.0

CHEMICAL RESISTANCE (ASTM D-1308):			
Hydraulic Fluid (24 hr/150°F)	Pass	Base, 5% NaOH Spot, pH= 13.5	No effect after 6 hr
Acid, 5% H2SO4 Spot, pH=0.6	No effect after 24 hr	Water Immersion (24 hr/70°F)	Pass

5 MINUTE SPOT TEST:			
Gasoline (87)	OK	Xylene	OK*
Diesel Fuel	OK	10% Acetic Acid	OK
Brake Fuel	Dissolve	10% HCL	OK
Skydrol	Softening*	Methanol	OK*
		Ammonia	OK

1 HOUR SPOT TEST:			
Gasoline (87)	OK	10% Acetic Acid	OK
Diesel Fuel	OK	10% HCL	OK
Brake Fuel	Dissolve	Methanol	OK*
Brake Fuel	Dissolve	Ammonia	OK
Xylene	OK*		

Cleveland Cabinet Humidity Resistance	
(100F, 100% RH,700 hours) Blistering (ASTM D714)	Few, #8
Loss in Gloss	No Effect

DIRECTIONS:

SURFACE PREPARATION:

Clean the floors to be coated by removing any oil, grease, or other contaminants that might interfere with the proper adhesion of the 4001 or 4002 Urethane Acrylic. Ensure that floors are structurally sound and fully cured a minimum of 28 days for 4 inch minimum poured concrete. Test the floor for vapor drive in accordance with ASTM D4263. Mechanical profiling is the preferred floor preparation method. Prepare the surface to achieve a CSP of 2 to 4 per ICRI Guideline 310.2 R-2013 and remove curing and parting compounds, surface hardeners, and floor coatings. Acid may be used to etch bare concrete floors to the proper profile when mechanical abrasion is impractical. Make sure the surface is thoroughly clean before etching. Etch all unpainted cement with 1 part 10% muriatic acid to 1 part water. Allow to stand 10-15 minutes. After etching, neutralize acid with baking soda or soda ash, and then rinse thoroughly with water. Prepare the surface to achieve a CSP of 2 to 4 as per ICRI Guideline 310.2 R-2013. Let dry thoroughly before applying the coating.

DIRECTIONS:

TEST AREA:
Apply a small amount of the material to an inconspicuous area to ensure proper appearance and adhesion.

APPLICATION SPECIFICS: IMPORTANT WEATHER GUIDELINES:

- Apply on warm, clear, sunny days.
- Do not apply under foggy conditions.
- Do not apply when rain is forecast within 24 hours.
- Do not apply if temperatures are expected to drop below 50°F within 24 hours.
- Apply 2 thin coats for best result (Use 1/4" or 3/8" nap roller cover).

APPLICATION:
Brush, roll or spray. DO NOT SHAKE. Shaking will cause air bubbles. Stir gently and thoroughly before application. This product appears milky when wet and dries rapidly to a beautiful clear coating.

IMPORTANT:
Do not apply late in the day or when dew, rain, fog or mist is likely (moisture will damage the fresh paint film). Apply at temperatures above 50°F. Do not apply if temperatures below 50°F are expected within 24 hours. Cold weather or excess humidity or a sudden temperature drop will greatly affect any finish at the time of application. Dampness can dull the gloss. Do not paint in direct sun. Use a clean brush or roller. For maximum durability, we recommend at least two thin coats.

DRYING TIME: Dries within 30 minutes and can be recoated in 4 hours. Ready for light pedestrian traffic in 12 hours. Ready for normal pedestrian traffic in 24 hours. Do not place heavy objects (pots, barbecues, patio furniture, etc.) before 48 hours have passed from end of application. Drying time will vary depending on weather conditions, air circulation, and temperature.

THINNING: Thinning is not recommended.

CLEAN-UP: Clean tools and hands with warm soapy water and rinse thoroughly.

DISCLAIMER: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and LIFE PAINT makes no claim that these tests or any other tests, accurately represent all environments.

Warranty: When the warranted product is applied in accordance with this technical data sheet, label instructions and common sense widely accepted painting practice and procedures, Life Specialty Coatings will warrant said product against manufacturing defects that might cause premature failure such as blistering, peeling, or unusual wear. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. In the event of a warranted failure and upon the presentation of proof of purchase, the remedy will be the provision price for said product. This warranty does not include labor or the costs associated with labor. This warranty may not be transferred or assigned and extends specific legal rights which may vary from state-to-state. No other warrantee is expressed or implied. Life Specialty Coatings Company, Santa Fe Springs, CA (562)944-6391