LIFE SPECIALTY COATINGS Est. 1963

EPOXIES
TECHNICAL DATA SHEET

CL

2110 GLOSS/2112 SATIN CLEAR SEALERS

2 Component Water Based Aliphatic Urethane

DESCRIPTION

Life Specialty Coatings two component Aliphatic urethane sealer is a premium quality crystal clear urethane that provides a tough, durable surface for floors requiring urethane flexibility, u.v. resistance and protection, chemical resistance, and superior adhesion. Use this product when high chemical resistance and durability is needed.

USES, FEATURES & BENEFITS

ADVANTAGES

- Abrasion resistant
- Stain resistant
- Repels oil, grease & water
- Easy to use
- Water based
- Chemical resistant
- Non-yellowing
- U.V. resistant
- Fast drying
- Use over acrylics

USES

For interior and exterior surfaces. May be applied over Life Specialty Coatings FM, AL, MC Waterproofing Systems, and concrete resurfacing systems.

- Concrete floors
- Patios
- Brick Walls
- Walkways
- Pavers
- Wood

PACKAGE

128 oz. kit

- Part A =117 oz.
- Part B = 11 oz.

FINISH:

- 2110 Gloss
- 2112 Satin

TECHNICAL & PHYSICAL PROPERTIES

Solids Content:	32-34% by weight 31-33% by volume
Maximum V.O.C.:	<100 grams per liter

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 two Component Urethane Sealer. Ensure that floors are structurally sound and fully cured a minimum of 28 days. Test the floor for vapor drive in accordance with ASTM D4263. Mechanical profiling is the preferred floor preparation method. Mechanically profile the floor to a medium-grit sandpaper texture and remove curing and parting compounds and other surface hardeners and floor coatings. Use Liquid Grind if needed.

TEST AREA: Apply a test area to ensure proper appearance and adhesion.

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, but dries rapidly to a beautiful clear coating.

APPLICATION SPECIFICS: Important weather guidelines:

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

COVERAGE: May be rolled, brushed or sprayed. The coverage will vary with surface porosity and profile. You can expect up to 400 square feet per gallon on a smooth surface and between 250 to 350 square feet per gallon on a rough surface. For best results apply two thin coats.

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 degrees F. Do not apply if temperatures below 45 degrees 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 use in 12 hours. Drying time will vary with weather conditions, air circulation and temperature.

THINNING: Thinning is not recommended.

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

POT LIFE: 24 hours. Product will not harden or solidify due to end of pot life. After 24 hours, product can be reactivated by introducing Part B at proper mix ratio of 10:1 or 11:1.

FILM PROPERTIES	
Drying time: (70°F, 50% RH)	
Set to touch	<15 min
Tack-Free	<20 min
Dry Hard	<30 min
Reverse Impact	=10 FT-LB
Taber Abrasion 1000gm/1000 cycles 4% weight loss 600 Gloss (ASTM D-1308):	>90
Tensile Strength ASTM D-412	6000 lbs per sq/in
Elongation ASTM D-412	40%
Adhesion:	
Dry Tape Test (ASTM D-3359)	5A
Wet Tape (24 hr/700F)	5A
Wet Tape (4 days/700F)	5A
Weathering:	
QUV - "B Bulb" (1000 hr) (ASTM D-4587-91)	>92% gloss retention, 1.6 Delta E color change

CHEMICAL RESISTANCE	
4 hour spot test	
50% NaOH (Sodium Hydroxide)	No Effect
10% Acetic Acid	No Effect
30% NH3 (Ammonia)	No Effect
MEK	Softening
Xylene	No Effect
Brake Fluid	No Effect

RESISTANCE PROPERTIES	
(per ANSI/KCMA A161.1-1990)Test 9.3.2. 24 Hour Tests	
Vinegar	No Effect
Lemon Juice	No Effect
Orange Juice	No Effect
Grape Juice	No Effect
Tomato Catsup	No Effect
Coffee(115oF)	No Effect
Olive Oil	No Effect
100 Proof Alcohol	No Effect
One Hour Test:	
Mustard	No Effect
Hot and Cold Check Cycles	Passes 10 cycles

ADHESION CHARACTERISTICS	
(1.0 mil dry films air dried seven days)	
Masonry	
Concrete	Excellent
Stucco	Excellent
Plaster	Excellent
Mortar	Excellent
Metal	
Untreated Cold Rolled Steel	Excellent
Bonderite 100	Excellent
Bonderite 1000	Excellent
Tin Plate	Excellent
Untreated Aluminum	Excellent
Anodized Aluminum	Excellent
Plastic	
Polycarbonates	Excellent
High Density Polyethylene	Excellent
ABS	Selective
Nylon	Selective
Flexible Vinyl	Selective

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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