



Product Information

Life Deck 4001/4002

Clear Concrete Sealer and Glaze

Description

Life Deck 4001 is a water based, crystal clear concrete sealer and glaze. 4001 is a quality blend of high performance acrylic and urethane resins. It is an easy to use acrylic with the performance of a polyurethane. (Note: The 4002 product is a Satin version of the 4001 sealer.)

Uses

Life Deck 4001 is designed to seal porous concrete, brick or tiles and some previously painted surfaces where a protective gloss finish is desired. 4001 can be used over the 10 series to add gloss and over the Texture Crete Color Wash as the final seal coat.

4001 may also be reduced up to 50% with water and tinted with 2-4 ounces of universal colorant to create a concrete stain.

Advantages

- UV Resistant
- Chemical Resistant
- Water Based-Low Odor
- Clear-Non Yellowing
- Very Durable
- High Gloss
- Easy to Use
- Meets USDA criteria for concrete sealer
- Can be applied over many other acrylics

Finish

4001 Gloss and 4002 Satin

Color

Clear

Coverage

The coverage will vary depending on the surface. Up to 400 square feet per gallon on a smooth surface and between 250-350 square feet per gallon on a rough surface. When diluted with water the coverage will increase proportionately. Product performs best if applied in thin even coats.

Packaging

1 & 5 gallon pails

use. Continue to stir, as color will separate. Apply by Hudson type sprayer and broom into the surface to desired effect. When staining, product may also be "sponged on" to accent over the 4001 stain or over 10 Series. To prevent puddling, apply the product in thin coats (It is important not to allow product to puddle). Additional coats may be applied thinly but may make the surface slippery and look less like a stain and more like a paint.

Drying Time

Allow minimum 4 hours between coats and before light foot traffic. Normal traffic may be permitted after 24 hours. Allow 72 hours before vehicle traffic. Allow 72 hours before placing heavy objects on the surface (use protective trays for pots and plants).

Inspection

Surfaces must be structurally sound and sloped for drainage. The surface must be dry and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. The surface must be porous or rough enough to allow the product to soak in.

Surface Preparation

Prepare surface by sanding, grinding, water blasting, sandblasting or shot blasting to achieve a clean, porous and uniform surface that will allow product to soak in and bond permanently. Muriatic Acid (blended 1:4 with water) may be used to etch concrete and will require baking soda or soda ash to neutralize as well as a stiff brush and several rinses with clean water. If dirty or oily, clean surface entirely with TSP and rinse completely with water several times. Remove mildew or algae using 50/50 blend of household bleach and water, rinse thoroughly. Note: The most common reason for coating failure is due to lack of preparation. The surface must be porous or rough enough to allow the product to soak in. Do a test area before proceeding.

As a stain: be aware that discoloration and stains on the surface will remain. Do a test area before proceeding.

Application

As a sealer: Neatly cut-in all edges with a brush and roll the center using a 1/2" to 3/4" nap, good quality roller cover. Be sure to spread evenly in a "V pattern" rolling in both directions. Cutting slightly with water and applying thin coats will help avoid streaks in direct sun. Roll the product as thin as possible to prevent puddling. 4001 may also be sprayed with an airless (once again, apply in thin coats and avoid puddling).

Over the 10 series: Reduce up to 50% with water and apply a very thin coat using the above methods. Our Safe-Grip additive may be used to help gain traction.

As a stain: Blend with equal parts of water and add up to 4 oz of universal colorant just before

Limitations

- Do not apply in temperatures below 55°F or above 95°F.
- Rain may wash away Life Deck 4001 if not completely cured. If inclement weather threatens within 24 hours do not apply. Do not allow any Life Deck products to FREEZE.
- Surface will become more slippery with this sealer.
- Apply only over compatible water based acrylics and bare, porous surfaces such as concrete and pavers. Do not apply over glazed or tile or hard fired bricks. Do not apply over most natural stone which is too dense and smooth.
- Do a test area before you begin.

Clean Up

Uncured material can be removed with soap and water. Cured material can only be removed mechanically.

Technical Data

FILM PROPERTIES

Drying time:	(70°F, 50% RH)
Set to touch	< 15 min
Tack-Free	< 20 min
Dry Hard	< 30 min
Pencil Hardness	HB
Direct Impact	>160
Reverse Impact	>160
Taber Abrasion	50.5 mg
60° Gloss (ASTM D-1308):	> 60
Contrast Ratio (ASTM 2805):	> 50
Adhesion:	
Dry Tape Test	(ASTM D-3359) 5A
Dry Scrape Adhesion	(ASTM D-2197) 8 kg
Wet Tape	(24 hr/70°F) 5A
Wet Tape	(4 days/70°F) 5A
Weathering:	
QUV - "B" Bulb*	(1000 hr)
(ASTM D-4587-91)	>92% gloss retention, 1.5 Delta E color change
Xenon Arc	(1000 hr)
(ASTM G-28-92)	>94% gloss retention, 0.9 Delta E color change
Heat Resistance (24 hr/250°F):	<2.0 Delta E color change

Chemical Resistance (ASTM D-1308)

Hydraulic Fluid (24 hr/150°F)	Pass
Acid, 5% H2SO4 Spot, pH=0.6	No effect after 24 hr
Base, 5% NaOH Spot, pH= 13.5	No effect after 6 hr
Water Immersion (24 hr/70°F)	Pass
5 Minute Spot Test	
Gasoline (67)	OK
Diesel Fuel	OK
Brake Fuel	Dissolve
Skydrol	Softening**
Xylene	OK*
10% Acetic Acid	OK
10% HCL	OK
Methanol	OK
Ammonia	OK
1 Hour Spot Test	
Gasoline (67)	OK
Diesel Fuel	OK
Brake Fuel	Dissolve
Skydrol	Softening**
Xylene	OK*
10% Acetic Acid	OK
10% HCL	OK
Methanol	OK
Ammonia	OK

* Loss of Gloss
** Softening and Yellowing