

# DENDRITICS, LLC

## TECHNICAL DATA SHEET

### PRODUCT NAME

**DYNASEAL POLY-ROCK GLOSS CONCENTRATE**

### MANUFACTURER

Dendritics, LLC  
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### PRODUCT DESCRIPTION

#### BASIC USE

The advanced formula of Dynaseal Poly-Rock Gloss is water based, aliphatic polyurethane, APEO free. It is designed for top-coat applications on a wide variety of substrates, including concrete, pavers, brick/masonry, stone, wood, metal. Poly-Rock Gloss produces clear, tough, durable, abrasion and mar resistant films with excellent non-yellowing properties and good water and chemical resistance.

Seal concrete floors to eliminate dusting and add gloss or a decorative color. Apply over tinted Dynaseal DS 300 Waterproofers on wooden decks in high traffic areas to prevent wear.

For exterior and interior use. Note, matte finish available for all wood types. Color options available.

### BENEFITS

- **Single Component-neutral odor.**
- **Excellent adhesion.**
- **Fast Drying.**
- **Excellent Abrasion and Mar Resistance.**
- **Excellent Flexibility.**
- **Excellent Impact Resistance and Hardness.**
- **Low Gloss.**
- **UV Absorber in Sunlight and Florescent.**
- **Non-Toxic, VOC < 2 gm/l - safe for people, pets and plants.**
- **Easy Clean up with soap and water.**

### Physical Characteristics

Solids	34 to 37%
Appearance	Milky White/ Dries Clear
Odor:	Slight Odor
Viscosity	25-65 cps
Sp Gr.	1.067
PH	7.0-8.4
Softening Point	345 F/173.88C
VOC Content	<2 gm/l VOC
lbs. per gallon	0.017
Solvent	Water
Flash Point	None
Weight per gallon	8.6 lbs
Freeze thaw cycle	Stable after 3 cycles

## APPLICATION INSTRUCTIONS

### PREPARATION

- Surface Prep: Surface should be free of dust, dirt, contaminants, oil, grease or concrete additives. Clean surfaces with appropriate cleaners for wood or cementitious materials before applying Dynaseal Poly-Rock Gloss. Existing coatings that are well adhered may be removed or abraded to provide an anchor profile for proper adhesion. Clean to remove dust. Do Not Thin.

### APPLICATION

- Dilute with 1 part water to 1 part Poly Rock.
- Mixing: power mix for 2 minutes.
- Temperatures: Do not apply below 40°F/4.44°C, surface cannot be wet but can be damp.
- Equipment: Apply with good quality bristle brush or roller. Use single direction strokes and crosshatch method with short nap roller. Can be sprayed with conventional or airless sprayer.

### COVERAGE

- Recommended Coverage: Two coats @ 4 to 5 mils wet per coat will yield approximately 4 mils dry film thickness. Allow the first coat to dry approximately 2 hours before applying the second coat @ 77°F/25°C. Theoretical Coverage for two coats is approximately 152 sq. ft. per gallon. Apply thin and remove puddles.

### CLEAN UP

- Clean equipment and brushes with warm, soapy water.
- Store above 32°F/0°C. Keep from freezing.
- Shelf Life: 12 to 18 months.

### PACKAGING

- 55-gallon drums

### MECHANICAL PROPERTIES

(TESTED AT 2 INCHES/MINUTE)

Elongation (D-882) 210%

TENSILE STRENGTH (D-882)2200 PSI

Shore A Hardness(D2134) 96

Shore D Hardness 40

Pencil Hardness ASTM D3363 H

Blush Resistance 4 Hours Dry/18 Hours  
Immersion Pass

Hot Tire Pick UP Resistance Imprint None  
Delamination None

Adhesion-ASTM D3359B 7 Days Dry

New Concrete 5B No Failure

Weathered Concrete 5B No Failure

Adhesion ASTM 4541 Pull Off Adhesion

New Concrete 677 substrate failure

Weathered concrete 623 substrate failure

Gloss-ASTM D523 Leneta HB Chart

Sealed Portion

Gloss 60 Degrees 40.1

Gloss 20 Degrees 20.1

ASTM G53 QUV Accelerated Weathering,  
250 Hours

General Appearance Excellent

Discoloration Excellent

Gloss Retention Excellent

Tabor Abrasion Resistance-ASTM D4066

CS 17 Wheels

500 Cycles Weight Loss Grams 0.0019