

PART A
PART B

GP4210T04
GP4200B01

ULTRADEEP BASE
HARDENER

Revised: December 6, 2023

PRODUCT INFORMATION

PRODUCT DESCRIPTION

SOFTOP SLR is a two-component, polyurethane resin floor coating for indoor use. Typically in office buildings, hospitals and other public buildings.

ADVANTAGES

- Wear resistant floor coating
- Crack bridging floor coating
- Easy to apply
- Excellent bond to substrate
- Resists deflection from point loads

TYPICAL USES

Softop SLR is a pigmented flexible finish coat used in the Softop SL system.

- Labs/Classrooms
- Offices and corridors
- Break/Lunchrooms
- Schools/Universities
- Interior public spaces

LIMITATIONS

- Slab on grade requires vapor/moisture barrier
- Substrate must be structurally sound, dry and free of bond inhibiting contaminants
- During installation and initial cure cycle, substrate and ambient air temperature must be at a minimum of 60°F (16°C). Substrate temperature must be at least 5°F (3°C) above the dew point. For lower temperature installation, contact your Sherwin-Williams representative.
- Strictly adhere to published coverage rates
- Strictly adhere to mixing ratios

ORDERING INFORMATION

Packaging:

Part A: 1.63 gallons (6.35L) in a 5 gallon (18.9L) pail
Part B: 0.5 gallons (1.89L) in a 1 gallon (3.78L) container

Weight:

Part A: 12.24 lbs/gal ; 1.5 kg/L
Part B: 10.36 lbs/gal ; 1.2 kg/L
Mixed: 11.51 lbs/gal ; 1.4 kg/L

SURFACE PREPARATION

Proper inspection and preparation of the substrate to receive resinous material is critical. Read and follow the "Instructions for Concrete Surface Preparation" (Form G-1) for complete details.

PRODUCT CHARACTERISTICS

Color: Wide variety of colors
Weight Solids: 99.61%, mixed (ASTM D2369, Method E)
Mix Ratio: 1:1 by unit
VOC (EPA Method 24): <100 g/L ; 0.83 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	40 (1,000)	120 (3,000)
~Coverage sq ft/gal (m²/L):	40.1 (0.98)	13.4 (0.33)

Drying Schedule at 95 mils (2.375 microns):

	@ 50°F/10°C 50% RH	@ 77°F/25°C 50% RH	@ 90°F/32°C 50% RH
Tack Free:	40 hours	5 hours	4.75 hours
Dry Hard:	64 hours	10 hours	9 hours
Foot Traffic:	N/R	24 hours	24 hours
Recoat Window:	Within 24 hours		
Gel Time:		42 minutes	
Pot Life:	40 minutes	10 minutes	7.5 minutes

Shelf Life: 12 months, unopened
Store indoors at 60°F (16°C) to 90°F (32°C).

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results*
60 Degree Gloss	ASTM D523	95
Impact Resistance	ASTM D2794	>480 in-lbs @ 95 mils
Percent Elongation	ASTM D2370	262% @ 95 mils
Shore A Hardness	ASTM D2240	54 @ 0 sec / 52 @ 15 sec
Shore D Hardness	ASTM D2240	21 @ 0 sec / 20 @ 15 sec
Tear Strength	ASTM D624	46.00 lbf/in @ 95 mils
Temperature Resistance	ASTM F1514	<3 color change (CIE Lab ΔE) at 7 consecutive days of 158°F exposure
Tensile Strength	ASTM D2370	1,499 psi @ 95 mils

*results are based on conditions at 77°F (25°C), 50% RH

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APPLICATION

Softop SLR is supplied in prepacked units. Before mixing, Softop SLR should be homogenized by gentle stirring. Precondition both A and B components to a temperature of approximately 59°F (15°C) to 68°F (20°C).

Pour the entire contents of part B into the container of part A. Mix with a low speed (ca.300 rpm) electric drill and paddle for at least 3 minutes until homogeneous. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. Keep the mixing head submerged to avoid entrapping air.

Softop SLR is applied by squeegee and subsequently spike rolled.

TINTING

Can be tinted with GIS and HPF Universal colorants. Use 1 pint per 2.13 gallon unit (1 kit).

CHEMICAL RESISTANCE

Reagent	7 Day Cure, 4 Hours Exposure	7 Day Cure, 8 Hours Exposure	7 Day Cure, 24 Hours Exposure
10% Nitric Acid (#2)	F	F	F
10% Sodium Hydroxide (#7)	E	E	E
Ethylene Glycol (Antifreeze) (#8)	E	E	E
Gasoline (#11)	E	E	E
Xylene (#13)	F	F	F
MEK (#14)	F	F	F
Brake Fluid (#15)	F	F	F
Bleach (#16)	E	E	GS
Motor Oil (SAE 30) (#17)	E	E	E
Water (#20)	E	E	E

Rating System: E,G,F,P, S. E = Excellent (no change), G = Good (minor defects), F = Fair (softened but not destroyed), P = Poor (significantly softened and/or destroyed), S = Stained

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact your Sherwin-Williams representative.

SAFETY

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

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