



Protective & Marine Coatings
PRODUCT DATA SHEET



ACROLON™ 7300

ACRYLIC URETHANE GLOSS FINISH

Revised: January 2, 2024

PRODUCT DESCRIPTION

ACROLON 7300 is a high solids acrylic polyurethane coating that is used as durable finish coat over high performance anti-corrosion systems. This tin-free and silica-free aliphatic polyurethane has excellent resistance to atmospheric exposures and maintains gloss and color, even in highly corrosive environments.

INTENDED USES

- Use as a topcoat in industrial environments such as steel structures, refineries, process equipment, tank exteriors, marine and offshore structures, and bridges
- Acceptable for use in high performance architectural applications

PRODUCT DATA

Finish:	Gloss
Colors:	Wide range of colors available
Volume Solids:	68% ± 2%, mixed
VOC (EPA Method 24):	<340 g/L; 2.8 lb/gal, mixed Calculated from formulation to satisfy EC Solvent Emissions Directive 206 gms/kilo content by weight.
Mix Ratio:	10:1 by volume
Typical Thickness:	
Recommended Spreading Rate per coat:	
	Minimum Maximum
Wet mils (microns)	3.0 (75) 6.0 (150)
Dry mils (microns)	2.0 (50) 4.0 (100)
~Coverage sq ft/gal (m²/L)	364 (8.9) 545 (13.3)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1090 (26.7)
<i>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</i>	
Shelf Life:	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	Part A: 75°F (24°C), Seta Part B: 122°F (50°C), Seta
Reducer:	Oxsol 100, M.E.K., or Reducer #15
Weight:	11.6 ± 0.2 lb/gal ; 1.4 Kg/L, mixed may vary by color

Average Drying Times @ 5.0 mils wet (125 microns):				
40°F (4.5°C) 59°F (10°C) 77°F (25°C) 100°F (35°C)				
50% RH				
Touch:	5 hours	3 hours	1 hour	40 minutes
Handle:	12 hours	10 hours	6 hours	2 hours
Recoat:				
minimum:				4 hours
maximum:				60 days
Pot Life*:	2.5 hours	2.5 hours	2 hours	1.5 hours
Sweat-in-time:	none required			

*Pot life is dependent upon temperature and mass

*If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.*

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Acrolon 7300 requires a primer – see recommended systems

Minimum recommended surface preparation:

Iron & Steel: Atmospheric: SSPC-SP6/NACE 3/ ISO8501-1:2007 Sa 2



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APPLICATION	APPLICATION CONDITIONS
<p>Airless Spray Pressure.....2700 psi minimum (186 bar) Tip011"-013" (0.28-0.33 mm) Reduction.....As needed, up to 4%*</p> <p>Conventional Spray Atomization Pressure.....50 psi (3.4 bar) Fluid Pressure.....10 psi (0.7 bar) Fluid Nozzle67ss or equivalent Air Cap.....67PB or equivalent Needle.....667 or equivalent Reduction.....As needed, up to 4%*</p> <p>Brush Brush.....Natural Bristle Note: Required film thickness may not be achieved in one coat</p> <p>Roller Cover3/8" woven with solvent resistant core</p> <p>*Reduce as needed up to 10% by volume with Oxsol 100. May be reduced with M.E.K. or Reducer #15 up to 4% by volume - reducing more than these levels may result in VOC exceeding 340 g/L.</p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	<p>Temperature (air, surface, material): 40°F (4.5°C) minimum, 120°F (49°C) maximum At least 5°F (2.8°C) above dew point</p> <p>Relative humidity: 85% maximum</p>
	APPROVALS
	<ul style="list-style-type: none"> Complies with Norsok M501 Rev 6 System 1 as part of a 3 coat system. (System 1, System 2, System 5A, and System 6) Shell DEP
	ADDITIONAL NOTES
	<p>Tint 150% tint strength with Maxitoner Colorants only into Part A. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.</p> <p>Do not mix previously catalyzed material with new.</p> <p>To achieve a DFT of 2 mils (50 microns), reduce by 5-10% with Oxsol 100, M.E.K., or Reducer #15. Reducing more than 4% by volume with M.E.K. or Reducer #15 may result in VOC exceeding 340 g/L.</p> <p>Acrolon 7300 can be applied at a higher build of 4.0-6.0 mils (100-150 microns) DFT.</p>
RECOMMENDED SYSTEMS	
<p>Dry Film Thickness / ct.</p>	<p>Mils (Microns)</p>
<p>Steel, Zinc Phosphate/Urethane</p> <p>1 Ct. Macropoxy 4600 3.0-10.0 (75-250) 1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)</p>	
<p>Steel, Organic Zinc/Urethane</p> <p>1 Ct. Zinc Clad IV (85) 3.0-5.0 (75-125) 1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)</p>	
<p>Steel, Epoxy/Urethane</p> <p>1 Ct. Macropoxy 646 5.0-10.0 (125-250) 1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)</p>	
<p>Steel, Epoxy/Urethane</p> <p>1 Ct. Macropoxy 267 5.0 (125) 1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)</p>	
<p>Steel, Zinc/Epoxy/Urethane</p> <p>1 Ct. Zinc Clad II (85) 2.0-4.0 (50-100) 1 Ct. Macropoxy 646 5.0-10.0 (125-250) 1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)</p>	
<p>The systems listed above are representative of the product's use, other systems may be appropriate.</p>	
WARRANTY	
<p>The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.</p>	
HEALTH AND SAFETY	
<p>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.</p>	
DISCLAIMER	
<p>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 Sheet.</p>	