ACROLON™ 7300
ACRYLIC URETHANE GLOSS FINISH

PRODUCT DESCRIPTION

ACROLON 7300 is a high solids acrylic polyurethane coating that is used as a 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
Mix Ratio: 10:1 by volume

Average Drying Times @ 5.0 mils wet (125 microns):

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Touch</th>
<th>Handle</th>
<th>Recoat</th>
</tr>
</thead>
<tbody>
<tr>
<td>40°F (4.5°C)</td>
<td>5 hours</td>
<td>12 hours</td>
<td>minimum: 4 hours</td>
</tr>
<tr>
<td>59°F (10°C)</td>
<td>3 hours</td>
<td>10 hours</td>
<td>maximum: 7 days</td>
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<tr>
<td>77°F (25°C)</td>
<td>1 hour</td>
<td>4 hours</td>
<td></td>
</tr>
<tr>
<td>100°F (35°C)</td>
<td>40 minutes</td>
<td>2 hours</td>
<td></td>
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</tbody>
</table>

| Sweat-in-time: | none required |

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., Reducer #15

Weight: 11.6 ± 0.2 lb/gal; 1.4 Kg/L, mixed
may vary by color

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

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:
APPLICATION

Airless Spray
Pressure.........................2700 psi minimum (186 bar)
Tip ..............................011"-.013" (0.28-0.33 mm)
Reduction.......................As needed, up to 10%

Conventional Spray
Atomization Pressure......50 psi (3.4 bar)
Fluid Pressure.................10 psi (0.7 bar)
Fluid Nozzle ..................67ss or equivalent
Air Cap ..........................67PB or equivalent
Needle ..........................667 or equivalent
Reduction.......................As needed, up to 10%

Brush
Brush..............................Natural Bristle
Note: Required film thickness may not be achieved in one coat

Roller
Cover .............................3/8" woven with solvent resistant core

If specific application equipment is not listed above, equivalent equipment may be substituted.

RECOMMENDED SYSTEMS

Dry Film Thickness / ct. Mils (Microns)

Steel, Zinc Phosphate/Urethane
1 Ct. Macropoxy 400 3.0 (75)
1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)

Steel, Organic Zinc/Urethane
1 Ct. Zinc Clad IV (85) 3.0-5.0 (75-125)
1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)

Steel, Epoxy/Urethane
1 Ct. Macropoxy 646 5.0-10.0 (125-200)
1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)

Steel, Epoxy/Urethane
1 Ct. Macropoxy 267 5.0 (125)
1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)

Steel, Zinc/Epoxy/Urethane
1 Ct. Zinc Clad II (85) 2.0-4.0 (50-100)
1 Ct. Macropoxy 646 5.0-10.0 (125-200)
1-2 Cts. Acrolon 7300 2.0-4.0 (50-100)

APPLICATION CONDITIONS

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

Relative humidity: 85% maximum

APPROVALS

• 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

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.

Do not mix previously catalyzed material with new.

To achieve a DFT of 2 mils (50 microns), reduce by 5-10% with Oxsol 100, M.E.K., or Reducer #15.

Acrolon 7300 can be applied at a higher build of 4.0-6.0 mils (100-150 microns) DFT.

HEALTH AND 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

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