

ALUMIGLASS ONE

HYDROTHANE SERIES

PRODUCT DATA SHEET



PRODUCT OVERVIEW	BENEFITS												
<p>Alumiglass ONE is an NMP-free, one component, waterborne acrylic polyurethane coating designed for use on aluminum and fiberglass substrates.</p>	<p>This coating is easy to apply and dries quickly, offering excellent hardness and a wide array of IR reflective colors.</p> <p>Aluminum: Alumiglass ONE provides good corrosion resistance to aluminum when applied direct-to-metal.</p> <p>Fiberglass: Alumiglass ONE provides good water resistance to fiberglass.</p>												
FEATURES	SURFACE PREPARATION												
<ul style="list-style-type: none"> • Quick dry time • Excellent hardness • Good chemical resistance • Excellent water resistance 	<p>Aluminum: Lightly abrade the surface and remove debris. Wipe with acetone and let flash. Wipe with isopropyl alcohol and let flash. Ensure surface is clean and dry before applying Alumiglass ONE.</p> <p>Fiberglass: Lightly abrade the surface and remove debris. Wipe with acetone and let flash. Ensure surface is clean and dry before applying Alumiglass ONE.</p>												
FINISH	APPLICATION METHODS												
<p>Gloss: Matte (< 15 GU) Color: Any</p>	<p>Stir contents before use. Never shake or mix under high agitation. Alumiglass ONE can be sprayed, brushed or rolled onto aluminum or fiberglass.</p> <p>Spraying: Reduce to 30-33 seconds, Zahn #3. Apply a medium wet coat over the surface (provide a WFT recommendation). For best results, apply with a spray gun with tip size of 1.2-1.8 mm, air pressure should be 15-25psi for HVLP and 25-40 psi for conventional spray guns. Atomization pressure depends on viscosity. Apply 1 tack coat followed by 1 full coat (WFT 3 - 4 mils) of Alumiglass ONE.</p> <p>Brushing: Reduce to 30-38 seconds, Zahn#2. Apply one to two coats of Alumiglass ONE.</p>												
SPREAD RATE	DRY TIMES												
<p>Theoretical Coverage: 705 sq.ft. per gallon @ 1 mil DFT Recommended Coverage: 470 sq.ft. per gallon @ 1.5 mil DFT</p>	<p><i>Alumiglass ONE can be air dried or force cured.</i></p> <table border="0"> <tr> <td>Cure Conditions:</td> <td>75°F/24°C</td> <td>120°F/49°C</td> </tr> <tr> <td></td> <td>@ 50% RH</td> <td>@ 50% RH</td> </tr> <tr> <td>Recoat:</td> <td>10 min</td> <td>5 min</td> </tr> <tr> <td>Dry to Handle:</td> <td>60 min</td> <td>20 min</td> </tr> </table>	Cure Conditions:	75°F/24°C	120°F/49°C		@ 50% RH	@ 50% RH	Recoat:	10 min	5 min	Dry to Handle:	60 min	20 min
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SUBSTRATES	CLEAN-UP												
<ul style="list-style-type: none"> • Aluminum (DTM or primed) • Fiberglass 	<p>While coating is wet, water may be used for cleaning. After the coating dries, solvents may be required for clean up.</p>												
SPECIFICATIONS	CERTIFICATIONS												
<p>Binder Type: Acrylic-Urethane Volume Solids: 44 ± 6% *varies by color Weight Solids: 49 ± 2% *varies by color Weight per Gallon: 8.9 ± 0.1lb, clear Flash Point: TBD VOC, Material: 72 g/L VOC, Coating: 155 g/L Shelf Life: 12 months, unopened</p>	<p>AAMA 2605-20 <i>In testing</i> AAMA 625-20 <i>In testing</i></p>												
PERFORMANCE DATA													
<p>* At recommended DFT Dry Film Hardness (ASTM D3363): Aluminum: H</p>													

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NOTES ON CLEANING COATED WINDOWS AND DOOR FRAMES

After the window has been coated, it should not be washed for two weeks to allow for complete curing of the coating. Once it has cured for two weeks, the coated vinyl surface may be cleaned with a mild soap* and water, using a lint-free rag or lint-free paper towel. Do not use solvent or abrasive materials, such as Scotch Brite pads. Clean the glass of the window with Windex or Ivory dish soap.

To clean:

- Vacuum dirt from sill and track areas before washing
- Clean window and/or door frames with a mixture of mild soap and water
- *Abrasive or caustic cleaners or solvents are never recommended because they may cause permanent damage to the frame finish*
- Mild, nonabrasive soaps are usually safest for most dirt and stain removal
- Always rinse completely with clean water and wipe or pat dry
- Check to make sure certain drainage or "weep" holes are always clear of dirt or obstruction both inside and outside the window or door