

MIL-C-46168D

POLYURETHANE ALIPHATIC COATING

TECHNICAL DATA SHEET	
DESCRIPTION:	
<p>MIL-C-46168D High Solids, Aliphatic Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty applications where a tough, chemical resistant coating is required.</p>	
Mix Instruction	
<p>Mechanically mix each component, then combine at a ratio of 4-1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required use MIL-T-81772B type 1 reducer Polyurethane reducer.</p>	
PROPERTIES:	ADVANTAGES:
<p>COLORS: full range Fed Std 595b</p> <p>SOLIDS by volume 53-57% **</p> <p>SOLIDS by weight 65-70% **</p> <p>Viscosity 70-90 KU</p> <p>Mix Ratio 4-1 by volume with 46168 Catalyst</p> <p>Dry Film Thickness 1.7-2.3 mils</p> <p>Dry Times @77 °F Tack Free 2hrs * Dry 6-8 hrs * Light Service 24hrs * Full Service 7 days *</p> <p>Recoat 24 hrs *</p> <p>Pot Life @ 77 °F 6-8 hrs *</p> <p>VOC (maximum) 420 g/L (3.5 lb.)</p> <p>Shelf Life @ 77 °F 12 months (D.M.)</p> <p>Reducer MIL-T-81772B ty 1</p> <p>S.F. Coverage 450-600 sq/ft gal. ***</p> <p>* times will vary with, humidity, temperature and film thickness. ** values will vary with colors. *** @ 100% transfer efficiency</p>	<p>Excellent Exterior Durability Abrasion Resistant Chemical Resistant Meets ASTM Standard Tests Resistant to Corrosive Fumes Meets MIL-C-46168D Specs</p> <hr/> <p style="text-align: center;">Surface Prep & Primer (recommended)</p> <p>Solvent wash Acid Clean & Etch Chemical Conversion Coat Prime MIL-P-23377 @ .9 mils dry. (minimum) or MIL-P-53022 Lead & Chromate Free Primer</p> <hr/> <p style="text-align: center;">SAFETY:</p> <p>Refer to Material Safety Data Sheets before use</p> <hr/> <p>Distributed by: PACIFIC RESINS & COATINGS LTD. AIRCRAFT COATINGS & RESINS 151- 5489 Byrne Road, Burnaby, BC, Canada, V5J 3J1 Phone (604)432-6111 or (604)430-4151 Fax (604)432-7006 e-mail info@pwpaints.com</p>