

			ARZUNUDO		
Product Group	High Solids Acrylic Urethane Topco	oat	Tomorrow's Answers Tod		
Characteristics Product Information	<ul> <li>Alumigrip 4450 Clear Coat is a Urethane clear coat that provid to exceed the performance and aviation (GA) industry. The Alu Alumigrip 4400 Base Coat as p may also be used with Alumigr</li> <li>Designed to meet the rigorous specification.</li> <li>Passes High Pressure Water J</li> <li>Base coat / clear coat system H</li> <li>Low VOC; high solids technolo</li> <li>Buffable</li> <li>Extended durability / UV resistation</li> </ul>	3-component, high s les exceptional gloss d appearance require migrip 4450 Clear Co part of a base coat / c ip 4200 and Alumigrij requirements of the N let simulated erosion helps reduce cycle tin gy. ance hercial aircraft fluids	oolids, durable, Acrylic and DOI. Formulated ments of the general bat should be used with lear coat system. It p 4200 SHR. MIL-PRF-85285 test. ne.		
Components Base Curing Solution	Alumigrip 4450 Clear Coat: 4450G Curing solution: CS4906	00003			
Activator Options	A4961: High Temperature High Humidity A4962: Cool Weather A4968: Standard A4969: Fast Stripe - Spot Repair				
	See application recommendation	ns, page 2.			
Specifications Qualified Product List	AkzoNobel Aerospace Coatings Embraer Gulfstream Hawker Beechcraft	Certification MEP-10-125 GMS 5008 (refe BS22455	rence ECM 20001)		
	The complete AkzoNobel Aerospace be found at: www.akzonobel.com	ce Coatings qualified /aerospace	product list (QPL) can		
Cleaning	- Surface pretreatment is an essential part of the painting process.				
	- Observe the recoat times of the Alumigrip 4400 Base Coat.				
	<ul> <li>If you exceed 24 hours after Alumigrip 4400 Base Coat application then wiping with isopropyl alcohol is advised. The Alumigrip 4450 Clear Coat can be applied up to seven days after Alumigrip 4400 Base Coat application without reactivation of the base coat surface.</li> </ul>				

AkzoNobel Aerospace Coatings 1 East Water Street, Waukegan, IL 60085, USA - Phone (847) 623 4200, Fax (847) 625 3200 Rijksstraatweg 31, 2171 AJ Sassenheim, The Netherlands - Phone (31) 71 308 2905, Fax (31) 71 308 2056 Page 1 of 4





	on for Use Mixing Ratio (volume)	<ol> <li>part</li> <li>part</li> <li>parts</li> <li>Allow products</li> <li>Stir Alumigrip 44 homogenized b</li> <li>Add the Curing</li> <li>Add the activate</li> </ol>	Alumigrip 4450 Curing solution Activator A496 to acclimatize t 450 Clear Coat before adding th Solution and s or and stir the c	Clear Coat CS4906 51, A4962, A to room temp thoroughly the curing solution tir the cataly catalyzed and	4450G00003 4968 or A496 perature befor until the produ ution. zed mixture the d activated m	9 re use. uct is uniformly horoughly. ixture again
	Induction Time	10 minutes				
S	Initial Spraying Viscosity (25°C/77°F)	16-20 seconds Sigr 20-40 seconds ISO	nature Zahn-Cu Cup #4	ıp 2		
and	Note	Viscosity measurements are provided as guidelines only and are not to be used as quality control parameters. Certified information is provided by certification documentation available on request.				
	Pot Life (25°C/77°F)	2.0 - 2.5 hours.				
<b>1</b> μm	Dry Film Thickness (DFT)	50 – 62.5 micron (μ 2.0 – 2.5 mils	ım)			
Applicati Recomm	ion endations	A4961: High Temperatu A4962: Cool Weather A A4968: Standard Activat A4969: Fast Stripe - Sp	re High Humidity A ctivator tor ot Repair Activator	.ctivator		
Ö	Conditions	Activator Options: Activator: Temperature: Relative Humidity:	: <u>A4961</u> 27 - 35°C 80 - 95°F 65 - 80%	<mark>A4962</mark> 18 - 27⁰C 65 - 80°F 25 - 85%	<u>A4968</u> 24 - 32°C 75 - 90°F 25 - 85%	A4969 10 - 27°C 50 - 80°F 15 - 65%
ш)	Note	The quality of the application of all coatings will be influenced by the spray equipment chosen and the temperature, humidity, and air flow of the paint application area. When applying the product for the first time, it is recommended that test panels be prepared in order to identify the best equipment settings to be used in optimizing the performance and appearance				

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	Equipment	Air		1.2 – 1.4 mr	n nozzle orifice	
<b>≥1</b>		HVLP		1.2 – 1.4 mr	n nozzle orifice	
Л		LP Electrostatic		1.2 – 1.5 mr	n nozzle orifice	
		Air Electrostatic		.009 – .013	in. nozzle orific	е
	Number of coats	Apply a single unif	orm wet coat of A	lumiarip 4450	Clear Coat, flas	h 15 - 30
52		minutes followed b	ov a cross coat un	til desired unif	orm appearance	е.
- <b>F</b>			,			
		Note: If spraying part	s using A4969, apply o	one single wet coa	t, followed by 5 mir	nute flash and a
		single cross coat.				
**	Cleaning of Equipment	TR-19 or MEK				
<b>■</b> \						
Physica	I Properties					
al	Note	Dry times will vary	depending comb	inations of tem	perature, humic	dity and
		nerimeters nlesse	a contact your loca	l technical ser	vice representa	
		Parts and componer	ots	Δ <u>4</u> 969	vice representa	
		Full Body (Assemble	ed)	A4961, A4	968. or A4962	
		Repair	()	A4969	000, 0171002	
		Stripe		A4961, A4	968, A4962, or A	4969
Activator		A4961: High Temperat	ure High Humidity Act	ivator		
Options:		A4962: Cool Weather	Activator			
		A4969: Fast Stripe - S	pot Repair Activator			
	Drying Times	Activator:	A4961	A4962	A4968	A4969
(-~)	Ambient	Dust Free	8 hours	6 hours	4 hours	0.5 hour
	Conditions	Drv to Tape	24-36 hrs	10 hrs	12 hours	1–1.5 hrs
	(25 +/- 2°C / 77 +/- 2°F. 55 +/-	Full cure	7 days	7 davs	7 davs	7 davs
	5% RH)				<b>,</b> -	<b>,</b> -
		After a 60 minute	Flash @77°F (25°	°C) / 50% R.H	then increase te	emperature to
	120°F	120°F (49°C), 12 -	- 15% R.H.			
		Note: (Force cure is not recommended for A4969 repair activator)				
		Activator:	A4961	A4962	2 A	4968
		Tack Free	2 hours	2 hour	rs 2	hours
		Dust Free	2 hours	2 hour	rs 2	hours
		Dry to Tape	12 hours	4 hour	's 4	hours
		Full cure	7 days	7 days	s 7	days

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M <sup>2</sup>	Theoretical Coverage	19.29 m <sup>2</sup> per liter ready to apply at 25.4 $\mu$ m dry film thickness 786 ft <sup>2</sup> per US gallon ready to apply at 1.0 mil dry film thickness			
Kg l µm	Dry Film Weight	29 g/m²/ 25.4 μm 0.0059 lbs/ft²/1.0 mil			
voc	Volatile Organic Compounds	Max 420 g/l Max. 3.5 lb/gal			
GU	Gloss (60°)	90+ GU			
3	Color	Clear			
Ø	Flash-point	Alumigrip 4450 Clear Coat 4450G0000325°C/77°FCuring Solution CS49067°C/44°FActivator A49617°C/44°FActivator A49627°C/44°FActivator A49687°C/44°F			
$\square$	Storage	Activator A4969 7°C/44°F Store the product dry and at a temperature between 5°C and 38°C (40 °F and 100°F) per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Storage temperature may vary per OEM specification requirements. Refer to container label for specific storage life information.			
	Shelf life 5 - 38°C (40 - 100°F)	24 months per AkzoNobel Aerospace Coatings commercial specification. Shelf life may vary due to OEM specification requirements. Refer to container label for specific shelf life information.			
Safety P	Precautions	Comply with all local safety, disposal and transportation regulations. Check the Material Safety Data Sheet (MSDS) and label of the individual products carefully before using the products. The MSDSs are available on request.			

#### IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for

product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given is subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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