COVER	&		HI-S	SOLIE			HANE 250 (URETHANE	
SHERWIN VILLIAMS					Part S	B65J-300 Series B65J-350 Series B60V30		
Revised: November 3, 2022 <b>PRODUCT INFORMATION</b> 5.30								
PRODUCT DESCRIPTION PRODUCT CHARACTERISTICS (CONT'D)								
acrylic polyurethane resin coating. It is designed for high performance protection with outstanding exterior gloss and color retention.								
<ul> <li>Good/excellent</li> </ul>	resistance to c	corrosion	and weath	ering	Flash Point:     65°F (18°C), mixed			
<ul> <li>Outstanding co</li> <li>Chemical resis</li> <li>Suitable for use</li> </ul>	tant		ilities		Reducer/Clean Up*:       VOC Restricted Areas (≤250 g/L): use Oxsol 100 or R7K111         t0thereses (+050 p/l):       000 p/l(110 p) p/l(110 p)			
<ul> <li>Formerly named Hi-Solids Polyurethane CA</li> <li>Resists film attack by mildew (MR White Tint Base only, B65WWJ305)</li> <li>Applications down to 20°F (-7°C)</li> </ul>					*Other areas (>250 g/L): use Oxsol 100, R7K111, or Reducer #58. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.			
Pro		RACTI	ERISTIC	S	Recommended Uses			
Finish:	Gloss	and Sem	i-Gloss		<ul> <li>Heavy duty inter</li> </ul>	red substrates in industrial environments or and exterior structural coating		
Color:	<ul> <li>A chemical and abrasion resistant equipment and machinery fin</li> <li>A gloss and color retentive heavy duty maintenance coating for "high visibility" areas</li> </ul>					maintenance coating for use in		
<b>Volume Solids:</b> Ultra White	63% ± 4	4%, may	vary by co	lor or sheen	<ul> <li>Chemical processing equipment • Conveyors</li> <li>Exterior metal siding and trim</li> <li>Precipitator surfaces</li> <li>Power plants</li> <li>Handrails</li> <li>Paper mills</li> </ul>			
Weight Solids:74% ± 2%, may vary by color or sheenUltra White					<ul> <li>Oil Field Machinery</li> <li>Marine Applications</li> <li>Conforms to AWWA D102 Outside Coating Systems #5 &amp; #6 (Gloss only)</li> <li>Approved finish coat for FIRETEX M90 and M93 series systems (Gloss only)</li> </ul>			
VOC (EPA Metho			o/gal Mixeo	l	Approved topcoat for NEPCOAT System B     PERFORMANCE CHARACTERISTICS			
Mix Ratio:	4:1 by v				Substrate*: Steel	SKMANCE ONA	RACIERISTICS	
<u>Recomr</u>	mended Spre	-	-		Surface Preparat	ion*: SSPC-SP6		
Wat mile (miar	000)		<b>mum</b> (112.5)	Maximum 8.0 (200)	System Tested*: 1 ct. Zinc CLad	4100 @ 4.0 mils (100 m	icrons) dft	
Wet mils (micro Dry mils (micro ~Coverage sq	ons)	3.0	(75) (5.2)	<b>5.0</b> (125) <b>347</b> (8.5)	1 ct. Macropoxy	646 @ 7.5 mils (188 mi olyurethane 250 @ 4.0 ı	icrons) dft	
NOTE: Brush achieve maxim	or roll applicatio um film thicknes	on may red	quire multip	le coats to	Test Name	Test Method	Results	
	edule @ 4.5 i				Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load		
	@ 20°F/-7°C 40°	@ F/4 5°C	@ 77°F/25°C	@ 120°F/49°C	Adhesion	ASTM D4541	2253 psi	
To touch:	16 hours 4	hours	<b>50% RH</b> 2 hours	1 hour	Corrosion Weathering	ASTM D5894, 15 cycles	Rating 10 per ASTM D714 for blistering; Rating 10 per ASTM D610 for rusting	
To handle: To recoat:	14 days 16	hours	8 hours	5 hours	Direct Impact Resistance	ASTM D2794	40 in. lbs.	
minimum:		hours	18 hours	10 hours	Dry Heat Resistance	ASTM D2485	200°F (93°C)	
maximum: u To cure:		days days	30 days 10 days	30 days 7 days	Flexibility	ASTM D522, 180°	Passes	
If maximum recoat Drying time is ter <b>Pot Life:</b>	mperature, humic			-	Moisture Condensation	bend, 1/8" mandrel ASTM D4585, 100°F (38°C), 1000 hours	blistering, or	
Sweat-in-	,	None re			Resistance Pencil Hardness	ASTM D3363**	delamination F	
Time:			yuneu		Salt Fog Resistance	ASTM B117, 5,000 hours	Rating 10 per ASTM D714 for blistering; Rating 9 per ASTM D610 for rusting	

Meets the requirements of SSPC Paint No. 36, Level 3 for white and light colors. \*\* Ultradeep bases will result in slightly softer film due to increased tint loading

COVER	Protective &	HI-S	OLI		DLYURETHA HATIC POLYUF	
SHERWIN WILLIAMS	Marine Coatings			Part S Part S Part T	B65J-300 Series B65J-350 Series B60V30	Gloss Semi-Gloss Hardener
Revised: Nover	nber 3, 2022	Prod	UCT II	<b>NFORMA</b>	TION	5.30
Re	COMMENDED SYS	TEMS		-	SURFACE PREPARAT	<b>FION</b>
	Di	ry Film Thi <u>Mils</u>	ckness / ct. <u>Microns</u>	Surface must dust, grease adequate ad	t be clean, dry, and in sound cor , dirt, loose rust, and other fore lbesion	idition. Remove all oil, ign material to ensure
Steel:Epoxy Pri1 ct.Macropo1-2 cts.Hi-SolidsSteel:Epoxy Pri1 ct.Macropo	xy 240 s Polyurethane 250 <b>mer</b>	3.0-5.0 3.0-5.0 4.0-6.0	(75-125) (75-125) (100-150)	Refer to proc tion informati	duct Application Bulletin for deta ion. commended surface preparation el: SSPC-SP6/NAC	n: :E 3.
1-2 cts. Hi-Solids Steel: Zinc Rich 1 ct. Zinc Cla	Polyurethane 250 Primer d 4100	3.0-5.0 3.0-5.0	(75-125) (75-125)	* Aluminum: * Galvanizin * Concrete &	2 mil (50 micron) SSPC-SP1 ng: SSPC-SP1 & Masonry: SSPC-SP13/NA	) profile
Steel: Epoxy Ma 1 ct. Macropo	Polyurethane 250 stic Primer xy 646	3.0-10.0 3.0-5.0 5.0-10.0	(75-125) (125-250)	* Primer Red	Surface Preparation Standar Condition of ISO 8501-1 Surface BS7079:A1 SSP	C NACE
Aluminum:	s Polyurethane 250 sh Primer	3.0-5.0 0.7-1.3	(75-125) (17.5-32.5)	White Metal Near White Meta Commercial Blas Brush-Off Blast Hand Tool Clean Power Tool Clea	st Sa 2 SP 6 Sa 1 SP 7 ning Rusted C St 2 SP 2 Pitted & Rusted D St 2 SP 2	
1-2 cts. Hi-Solids	Polyurethane 250	3.0-5.0	(75-125)		TINTING	,
Filler/Se		10.0-15.0	) (250-375)	Tint with GIS 8 fl oz for the about 3-5 ou	colorants into part S only. Maxie EW & 18 fl oz for the UD. Most inces with EW bases and 6-12 o	mum amount of tint is colors typically utilize unces with UD bases.
1-2 cts. Hi-Solids	Polyurethane 250	3.0-5.0	(75-125)		APPLICATION CONDIT	
1-2 cts. Hi-Solids Galvanized Meta	astic Aluminum II Polyurethane 250 :	4.0-6.0 3.0-5.0	(100-150) (75-125)	Temperature	maximum (air, surface, and Do not apply ove	
	Universal Primer Polyurethane 250 :	2.0-4.0 3.0-5.0	(50-100) (75-125)	Relative hum	, , , , , , , , , , , , , , , , , , ,	, ,
1 ct. Macropo	xy 646	4.0-6.0	(100-150)	Refer to produ	uct Application Bulletin for detailed	application information.
	Polyurethane 250	3.0-5.0	(75-125)		Ordering Informa	TION
NTPEP System 1 ct. Zinc Cla 1 ct. Macropo 1-2 cts. Hi-Solids		3.0-5.0 3.0-5.0 3.0-5.0	(75-125) (75-125) (75-125)	Packaging: Part S: Part T: Weight:	kits quarts and galloi 10.7 ± 0.2 lb/gal	; 1.3 Kg/L
					mixed, may vary	
				Refer to the SD	SAFETY PRECAUTIO	<i>JN</i> 5
The systems listed other systems may	l above are representativ y be appropriate.	e of the pro	oduct's use,	Contact your SI	nical data and instructions are subject herwin-Williams representative for ad-	
	Disclaimer			The Sharwin W	WARRANTY	to be free of menufacture
based upon tests cond Such information and re pertain to the product	ecommendations set forth in the lucted by or on behalf of The S ecommendations set forth here offered at the time of publicati e to obtain the most recent Pr	Sherwin-Willia in are subject ion. Consult	ams Company. to change and your Sherwin-	ing defects in ac Liability for prod tive product or t determined by OF ANY KIND I STATUTORY, B	/illiams Company warrants our product ccord with applicable Sherwin-Williams lucts proven defective, if any, is limited to the refund of the purchase price paid f Sherwin-Williams. NO OTHER WAR IS MADE BY SHERWIN-WILLIAMS, E BY OPERATION OF LAW OR OTHER Y AND FITNESS FOR A PARTICULAR	quality control procedures. o replacement of the defec- or the defective product as RANTY OR GUARANTEE XPRESSED OR IMPLIED, WISE, INCLUDING MER-

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 Information and Application Bulletin.

COVER EARTH	Protective &	HI-SOLI		LYURETHA								
SHERWIN WILLIAMS.	Marine Coatings		Part S Part S Part T	B65J-300 Series B65J-350 Series B60V30	Gloss Semi-Gloss Hardener							
Revised: Nover	ber 3, 2022	APPLICATIO	N BULLE	TIN	5.30							
Su	RFACE PREPARA	ATIONS	-	Application Condit	rions							
	oose rust, and other fo	ondition. Remove all oil, reign material to ensure	Temperature:	maximum (air, surface, and Do not apply ove	mum, 120°F (49°C) d material) er surface ice °C) above dew point							
SSPC-SP1. Minim	um surface preparati	by Solvent Cleaning per on is Commercial Blast		ity: 85% maximum								
		petter performance, use PC-SP10/NACE 2. Blast		APPLICATION EQUIP	MENT							
Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2-3 mils / 50-75 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs. <b>Aluminum</b> Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required. <b>Galvanized Steel</b> Allow to weather a minimum of six months prior to coating. Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.			The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions. <b>Reducer/Clean Up*</b> VOC Restricted Areas (≤250 g/L): use Oxsol 100 or R7K111 *Other areas (>250 g/L): use Oxsol 100, R7K111, or Reducer #58. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use. <b>Airless Spray</b> Pressure									
							should be thorough cured at least 28 da foreign material. S dirt, form release a ment and hardener ArmorSeal Crack F ment board must be loosely adhering co Laitance must be solution and thorou	ration, refer to SSPC-5 nly clean and dry. Conc ys @ 75°F (24°C). Ren urface must be free of agents, moisture curing s. Fill bug holes, air poo iller. Weathered masor brush blasted or powe ontamination and to ge removed by etching w ughly neutralized with w wed to weather for our	SP13/NACE 6. Surfaces rete and mortar must be hove all loose mortar and laitance, concrete dust, g membranes, loose ce- kets and other voids with my and soft or porous ce- er tool cleaned to remove t to a hard, firm surface. ith a 10% muriatic acid water. Primer required. ne year prior to surface	Conventional Gun Fluid Nozzle Air Nozzle Atomization Fluid Pressu Reduction Brush Brush Reduction Roller Cover	As needed up to Spray Binks 95	15% by volume 15% by volume phenolic core
							Su White Metal Near White Metal Commercial Blast Brush-Off Blast	Sa 3 Sa 2.5 Sa 2.5 Sa 2 Sa 1 C St 2 ted & Rusted D St 2	dards           SSPC         NACE           SP 5         1           SP 10         2           SP 6         3           SP 7         4           SP 2         -           SP 3         -		ication equipment is not liste y be substituted.	ed above, equivalent

COVER	&	e HI-S	OLI		DLYURETHA HATIC POLYU		
SHERWIN WILLIAMS.	Marine Coatings			Part S Part S Part T	B65J-300 Series B65J-350 Series B60V30	Gloss Semi-Gloss Hardener	
Revised: Noven	nber 3, 2022	APPLI	CATIO	N BULL	.ETIN	5.30	
APP	PLICATION PROC	EDURES		Performance Tips			
Surface preparation must be completed as indicated. <b>Mixing Instructions:</b> Mix contents of each component thoroughly with power agitation. Make certain no pigment remains on the bottom of the can. Then combine 4 parts by volume of Part S with 1 part by volume of Part T. Thoroughly agitate the mixture with power agitation.				Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. Spreading rates are calculated on volume solids and do not include			
If reducer solvent is used, add only after both components have been thoroughly mixed. Apply paint at the recommended film thickness and spreading rate as indicated below:				an application loss factor due to surface profile, roughness or po- rosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.			
Recommended Spreading Rate per coat:           Minimum         Maximum           Wet mils (microns)         4.5 (112.5)         8.0 (200)           Dry mils (microns)         3.0 (75)         5.0 (125)           ~Coverage sq ft/gal (m²/L)         208 (5.2)         347 (8.5)           NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.           Drying Schedule @ 4.5 mils (112.5 microns) wet:         @           20°F/-7°C         40°F/4.5°C         77°F/25°C         120°F/49°C           50% RH         To touch: 16 hours 4 hours 2 hours 1 hour         16 hours 8 hours 5 hours         5 hours				<ul> <li>Excessive reduction of material can affect film build, appearance, and adhesion.</li> <li>Do not apply the material beyond recommended pot life.</li> <li>Do not mix previously catalyzed material with new.</li> <li>In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Oxsol 100 or R7K111 in VOC restricted areas (≤250 g/L). Other areas (&gt;250 g/L): use Oxsol 100, R7K111, or Reducer #58. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.</li> <li>Mixed coating is sensitive to water. Use water traps in all air lines. Moisture contact can reduce pot life and affect gloss and color.</li> </ul>			
If maximum recoat to Drying time is tem, Pot Life: 3 Sweat-in- Time: Application of co		30 days 10 days e surface before film thickness d 4 hours equired um or below	ependent. 2 hours	Quik-Thane E-Z Roll Ure Urethane De Refer to Pro	Urethane Accelerator is accep Urethane Accelerator product thane Defoamer is acceptable foamer product data sheet for oduct Information sheet for a cs and properties.	data sheet for details. for use. See E-Z Roll details. dditional performance	
CLEAN UP INSTRUCTIONS				SAFETY PRECAUTIONS Refer to the SDS sheet before use.			
In VOC restricted areas (≤250 g/L): clean spills and spatters immediately with Oxsol 100 or R7K111. Clean tools immediately after use with Oxsol 100 or R7K111. Other areas (>250 g/L): use Oxsol 100, R7K111, or Reducer #58. Follow manufacturer's safety recommendations when using any solvent.				Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.			
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