SHERWIN	Protective & Marine	<b>TT-P-645C</b> PRIMER, ALKYD, F-84		
WILLIAMS.	Coatings	GREEN N42G110		
Revised: July 9,	2014 <b>PRODUCT</b>	INFORMATION 9.63		
	PRODUCT DESCRIPTION	Recommended Uses		
for applications to s	cyd primer formulated for use as a general prim steel and aluminum. This product complies wi on TT-P-645C, Formula 84.	<ul> <li>For use on prepared steel and aluminum in marine and industrial environments:</li> <li>Marine Vessels - interior and exterior</li> <li>Offshore platforms</li> </ul>		
Pr	CODUCT CHARACTERISTICS	PERFORMANCE CHARACTERISTICS		
Finish:	Flat	Complies with Military Specification TT-P-645C, Formula 84		
Color: Volume Solids:	Green, Fed Std 595 #34230* 41% minimum	ColorProduct/Rex NumberGreen, Fed Std 595 #34230*N42G110		
Weight Solids: VOC (EPA Method	47% minimum <b>d 24):</b> <250 g/L; 2.08 lb/gal, maximum	*TT-P-645C specification (June 2013) states the color of the paint shall <u>approximately</u> match color chip no. 34230 of FED-STD-595		
	Characteristics section			
Wet mils (micron Dry mils (micron ~Coverage sq f Theoretical cover (m²/L) @ 1 mil / 25 NOTE: Brush o	ns) <b>1.5</b> (38) <b>3.0</b> (75) t/gal (m²/L) <b>220</b> (5.4) <b>440</b> (10.8 age sq ft/gal 656 (16.1)			
Drying Sch	edule @ 4 mils wet (100 microns):			
To touch: To recoat: To cure: Drying time is tem, Shelf Life: 12 Si Flash Point: 10 Reducer: N	@ 50°F/10°C @ 77°F/25°C @ 100°F/38°C 50% RH 8 hours 2 hours 1 hours 10 hours 6 hours 6 hours 14 days 14 days 3 days berature, humidity, and film thickness dependent. 2 months, unopened tore indoors at 40°F (4.5°C) to 100°F (38°C) 00°F (38°C) SETA Flash ot recommended AK, R7K134 or Mineral Spirits, R1K4			



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**PRODUCT INFORMATION** 

Recommended Systems				Surface Preparation		
Dry Film Thickness / ct. <u>Mils (Microns)</u>			Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to			
Steel or Aluminum: 2 cts. TT-P-645		1.5-3.0	(38-75)	ensure adequate adhesion.		
2 cts.	MIL-PRF-24596	2.0-4.0	(50-100)	Refer to product Application Bulletin for detailed surface prepara		
Steel or Aluminum:			tion information.			
2 cts.	TT-P-645	1.5-3.0	(38-75)			
2 cts.	MIL-DTL-24607	1.5-3.0	(38-75)	Minimum recommended surface preparation: Iron & Steel: SSPC-SP2		
Steel c	or Aluminum:			Aluminum: SSPC-SP1		
2 cts.	TT-P-645	1.5-3.0	(38-75)			
1 ct.	MIL-PRF-24635	2.0-3.0	(50-75)	Surface Preparation Standards Condition of ISO 8501-1 Swedish Std.		
				SurfaceBS7079:A1SIS055900SSPCNACEWhite MetalSa 3Sa 3SP 51Near White MetalSa 2.5Sa 2.5SP 102Commercial BlastSa 2Sa 2Sa 2Sa 3SP 6Brush-Off BlastRustedC St 2C St 2SP 2-Hand Tool CleaningRustedC St 2C St 3SP 3-Power Tool CleaningRustedC St 3D St 3SP 3-		
	TIN		ΤιΝΤΙΝG			
			Do not tint.			
				Application Conditions		
				Temperature:40°F (4.5°C) minimum, 100°F (38°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point		
				Relative humidity: 85% maximum		
				Refer to product Application Bulletin for detailed application information.		
				ORDERING INFORMATION		
				Packaging: 1 gallon (3.78L) and 5 gallon (18.9L) containers		
				Weight: 10.9 ± 0.2 lb/gal ; 1.3 kg/L		
				SAFETY PRECAUTIONS		
				Pafer to the MSDS about before use		

Refer to the MSDS 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.

## WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MER-CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The systems listed above are representative of the product's use, other systems may be appropriate.

## DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are 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.

	Protective	TT-P-645C				
COVER THE EARTH	&	P	RIMER, AL	<b>(YD, F-84</b>		
	Marine					
SHERWIN	Coatings					
<b>WILLIAMS</b>	U		Green	N42G110		
Revised: July 9,	2014 APPLICATIO	N BULLETIN		9.63		
	Surface Preparations	4	Application Conditions			
	clean, dry, and in sound condition. Remove all dirt, loose rust, and other foreign material to adhesion.	Temperature:	maximum (air, surface, and	nimum, 100°F (38°C) d material) °C) above dew point		
Iron & Steel Minimum surface	preparation is Hand Tool Clean per SSPC-SP2.	Relative humidity:	85% maximum			
Remove all oil an	nd grease from surface by Solvent Cleaning or better performance, use Commercial Blast	4	APPLICATION EQUIPMENT			
Cleaning per SSP a sharp, angular 50 microns). Prim rusting occurs.	C-SP6/NACE 3, blast clean all surfaces using abrasive for optimum surface profile (2 mils / e any bare steel within 8 hours or before flash	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.				
Aluminum Remove all oil, gr Solvent Cleaning	ease, dirt, oxide and other foreign material by per SSPC-SP1.	ReducerNot recommended				
Previously Painte		Clean Up	MAK, R7K134 or	Mineral Spirits, R1K4		
Smooth, hard or gl abrading the surfa week before testin attacks the previou necessary. If paint	tion, clean the surface of all foreign material. lossy coatings and surfaces should be dulled by ice. Apply a test area, allowing paint to dry one g adhesion. If adhesion is poor, or if this product is finish, removal of the previous coating may be is peeling or badly weathered, clean surface to nd treat as a new surface as above.	Airless Spray         Pressure				
		Brush Brush	Natural Bristle			
		Roller Cover	3/8" woven with	solvent resistant core		
		If specific application equipment is not listed above, equivalent equipment may be substituted.				
White Metal Near White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning	Surface Preparation Standards           Solution of ISO 8501-1         Swedish Std.           urface         SSPC NACE           Sa         Sa         S         SSPC         NACE           Sa         Sa         S <td< td=""><td></td><td></td><td></td></td<>					



## TT-P-645C PRIMER, ALKYD, F-84

GREEN

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**APPLICATION BULLETIN** Revised: July 9, 2014 9.63 **APPLICATION PROCEDURES Performance** Tips Stripe coat crevices, welds, and sharp angles to prevent early Surface preparation must be completed as indicated. failure in these areas. Mixing Instructions: Mix paint thoroughly with low speed power When using spray application, use a 50% overlap with each pass agitation prior to use. of the gun to avoid holidays, bare areas, and pinholes. If necessary, Apply paint at the recommended film thickness and spreading cross spray at a right angle rate as indicated below: Spreading rates are calculated on volume solids and do not include **Recommended Spreading Rate per coat:** an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method Minimum Maximum of application, various surface irregularities, material lost during Wet mils (microns) **4.0** (100) 7.0 (175) mixing, spillage, overthinning, climatic conditions, and excessive Dry mils (microns) 1.5 (38) 3.0 (75) film build. 440 (10.8) ~Coverage sq ft/gal (m<sup>2</sup>/L) **220** (5.4) Theoretical coverage sq ft/gal 656 (16.1) (m<sup>2</sup>/L) @ 1 mil / 25 microns dft No reduction of material is recommended as it can affect film build, appearance, and adhesion. NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance. In order to avoid blockage of spray equipment, clean equipment Drying Schedule @ 4 mils wet (100 microns): before use or before periods of extended downtime with MAK, R7K134 or Mineral Spirits, R1K4. @ 50°F/10°C @ 77°F/25°C @ 100°F/38°C 50% RH 8 hours 2 hours To touch: 1 hours To recoat: 10 hours 6 hours 6 hours To cure: 14 days 14 days 3 days Drying time is temperature, humidity, and film thickness dependent. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Refer to Product Information sheet for additional performance characteristics and properties. **SAFETY PRECAUTIONS** Refer to the MSDS sheet before use. **CLEAN UP INSTRUCTIONS** Published technical data and instructions are subject to change without notice. Clean spills and spatters immediately with MAK, R7K134 or Min-Contact your Sherwin-Williams representative for additional technical data and eral Spirits, R1K4. Clean tools immediately after use with MAK, instructions. R7K134 or Mineral Spirits, R1K4. Follow manufacturer's safety recommendations when using any solvent. WARRANTY The Sherwin-Williams Company warrants our products to be free of manufacturing DISCLAIMER defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the de-The information and recommendations set forth in this Product Data Sheet are fective product or the refund of the purchase price paid for the defective product based upon tests conducted by or on behalf of The Sherwin-Williams Company. as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE Such information and recommendations set forth herein are subject to change and OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, pertain to the product offered at the time of publication. Consult your Sherwin-

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