Protective ENVIROLASTIC® 840 DTM & HIGH GLOSS POLYASPARTIC URETHANE						
			Part A Part B	B65-840 B65V840	Series Hardener	
2022	Pro	орист Ім	FORMATIO	N	E E 1	
Revised: July 12, 2022 FRODUCT INFORMATION 5.5						
ко <i>рист</i> D	ESCRIPTION	1	Recommended Uses			
 ENVIROLASTIC 840 DTM HIGH GLOSS URETHANE is a two-component, fast-dry, direct-to-metal polyaspertic urethane finish with outstanding exterior durability. Good color and gloss retention Fast dry Corrosion resistance Chemical resistance High gloss Distinctness of Image (DOI) <200 g/L 			 Structural steel Designed for nev 	 Transpor Rolling s v construction and refu 	tock urbishment	
•			Perfor	MANCE CHARAC	TERISTICS	
Color: Extra White and Ultradeep tint bases, other colors available upon request Su Volume Solids: 56%, ± 2%, mixed Su				Substrate*: Steel Surface Preparation*: SSPC-SP6/NACE 3 System Tested*: 1 ct. Envirolastic 840 DTM @ 3.0-5.0 mils (75-125 microns) dfl/ct		
		mixed	Test Name	Test Method	Results	
			Adhesion	-	568 psi	
ended Sprea	ading Rate pe Minimum 5.5 (138)	Maximum 9.0 (225)	Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 Kg load	Rating 10 180 mg loss	
t/gal (m²/L) rage sq ft/gal microns dft rr roll applicatio m film thicknes	179 (4.4) 896 (22.0) n may require mu s and uniformity of	299 (7.3)	Moisture Condensation Resistance	bend, 1/4" mandrel ASTM D4585, 1000 hours	Passes Rating 10 per ASTM D714 for blistering; Rating 10 per ASTM D610 for rusting	
		ropo) wot:	Pencil Hardness	ASTM D3363	HB	
@ 50°F/10°C 1.5 hours	@ 77°F/25°C 50% RH 20 minutes	@ 120°F/49°C 15 minutes	Salt Fog Resistance	ASTM B117, 1000 hours	Rating 10 per ASTM D714 for blistering; Rating 10 per ASTM D610 for rusting	
ime is exceede perature, humic 2 hours	20 minutes* 24 hours 4 days mil (25 microns) of 5°C following the <i>d, abrade surface</i> <i>d, abrade surface</i> <i>hour the the surface</i> <i>d, abrade surface</i> <i>d, abrade surface</i> <i>hour the surface</i> <i>hour the surface</i> <i>hour the surface</i> <i>f, abrade surface</i> <i>f, abrade surface</i> <i>hour the surface</i> <i>f, abrade surface</i> <i>f, abr</i>	before recoating. aess dependent. 30 minutes ths ths t 40°F (4.5°C) to				
	A coating , 2022 Coating , 2022 , 2022 Coating , 20	A construction of the second construction of the	Maring Coatings PRODUCTION Approximate the second of the seco	Maring Coatings Ant Part 10 202 Product Information 202 Product Description Bay DTM HIGH GLOSS URETHANE is a two- kerior durability. gloss retention ance ince concess of Image (DOI) DUCT CHARACTERISTICS Migh gloss, 85+ units @ 60 degrees Extra White and Ultradeep tint bases of the colors at valiable upon requise advs, ± 2%, mixed 63%, ± 2%, mixed 70 application may require multiple coats to film thickness and uniformity of appearator. 15 hours 2 0 minutes 15 minutes 3 hours 2 hours 1 hour 15 hours 20 minutes 15 minutes 3 hours 2 hours 1 hour 15 hours 20 minutes 15 minutes 3 hours 2 hours 1 hour 15 hours 20 minutes 15 minutes 3 hours 2 hours 1 hour 16 bours 4 days 2 days ack coat of -1 mil (25 microns) twei hittle indenost at 40°F (4.5°C) to porterute, humidity, and film thickness dependent. 2 hours 1 hour 30 minutes trane humidity dependent. None	Marine Coatings PART B B55-840 2022 PRODUCT INFORMATION 2023 PRODUCT INFORMATION August Control and Company and Compan	

Protectiv & Marine	e HIGH	EN' GLOS	VIROLA S POLYAS	STIC® 8	40 DTM RETHANE
SHERWIN WILLIAMS. Coatings	5		Part A Part B	B65-840 B65V840	Series Hardener
Revised: July 12, 2022	Prod	UCT IN	FORMATIO	N	5.51
Recommended S	Systems		Su	RFACE PREPARA	ATION
Steel:	Dry Film Thic <u>Mils (N</u>	kness / ct. <u>/licrons)</u>		ose rust, and other for	ondition. Remove all oil reign material to ensure
1 ct.* Envirolastic 840 DTM Urethane	3.0-5.0 (7	75-125)	Minimum recommer		
Steel: 1 ct. Industrial Wash Primer, 1 ct. Envirolastic 840 DTM,	•	5-10) 75-125)	Iron & Steel:	SSPC-SP6, 1.9 profile	5-2 mils (38-50 microns)
*Required: Apply a tack coat of ~1 mil (25 minutes before applying full coat. A secor applied after 20 minutes @ 77°F/25°C foll	nd coat, if requir	ed, can be	Con Surf White Metal Near White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning Russ Russ Russ Russ Russ Russ Russ Rus	face BS7079:A1 SI Sa Sa	ards wedish Std. IS055900 SSPC NACE a 3 SP 5 1 a 2.5 SP 10 2 a 2 SP 6 3 a 1 SP 7 4 St 2 SP 2 - St 2 SP 2 - St 3 SP 3 - St 3 SP 3 -
				TINTING	
				.5 oz./gallon, mixed.	oner Colorants. Extra Ultra Deep maximum
				LICATION COND	ITIONS
			Temperature:	maximum (air, surface, ai	ninimum, 120°F (49°C) nd material) .8°C) above dew point
			Relative Humidity:	85% maximun	n
			Ori	DERING INFORM	ATION
			Packaging: Part A: Part B:	3.33 gallons (1 1.67 gallon (6.3	
			Weight:	12.1 ± 0.2 lb/ga (may vary with	al ; 1.45 Kg/L, mixed color)
				AFETY PRECAUT	IONS
			Refer to the SDS she	et before use. lata and instructions are	subject to change
The systems listed above are repres use, other systems may be appropriate Williams for compatibility questions.			without notice. Conta ditional technical data	act your Sherwin-William a and instructions.	ns representative for ad-
Disclaime	R		The Sherwin-Williams Co	ompany warrants our produ	ucts to be free of manufactur
The information and recommendations set forth based upon tests conducted by or on behalf of T Such information and recommendations set forth pertain to the product offered at the time of pub Williams representative to obtain the most recent Application Bulletin.	n in this Product D The Sherwin-Willia herein are subject lication. Consult	ms Company. to change and your Sherwin-	ing defects in accord with Liability for products prov tive product or the refund determined by Sherwin- OF ANY KIND IS MADE STATUTORY, BY OPER	n applicable Sherwin-Willian ren defective, if any, is limited d of the purchase price paid Williams. NO OTHER WA BY SHERWIN-WILLIAMS,	ns quality control procedures d to replacement of the defec: d for the defective product as RRANTY OR GUARANTEE EXPRESSED OR IMPLIED ERWISE, INCLUDING MER

SHERVVIN	Protective & Marine	HIGH GL	ENV OSS	IROLA POLYAS	ASTIC® SPARTIC I	840 DTM JRETHANE
WILLIAMS.	Coatings			Part A Part B	B65-840 B65V840	Series Hardener
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Su	IRFACE PREPAR	ATIONS		AP	PLICATION CON	NDITIONS
	ean, dry, and in sound oose rust, and other n.			emperature:	maximum (air, surface	c) minimum, 120°F (49°C) e, and material) (2.8°C) above dew point
			R	elative Humidity	: 85% maxin	num
				AP	PLICATION EQ	UIPMENT
			be ec co	e needed for pro quipment before ompliant with exis	per spray characteri use with listed reduc	ressures and tip sizes may istics. Always purge spray cer. Any reduction must be as and compatible with the conditions.
					None requir MEK (R6K1	
			A	irless Spray Unit	20.1	
				Pressure		
					1/4" or 3/8" 011"015"	ID
				Filter	120 mesh Not recomm	a sur dia d
				Reduction	Not recomm	nended
			c	onventional Spi	ay Binks 95	
				Fluid Nozzle	66	
				Air Nozzle	63PB ssure40-60 psi	
					Not recomm	
				poor sag control	•	ver reduction can lead to
			В	rush (small area Brush	as only) Natural Bris	tle
			R	oller (small area Cover		with solvent resistant core
				specific applicat quipment may be		t listed above, equivalent
White Metal Wear White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning Ru Pit	Surface Preparation Sta indition of ISO 8501-1 rface BS7079:A1 Sa 3 Sa 2.5 Sa 2 Sa 1 isted C St 2 ted & Rusted D St 2 isted C St 3 ted & Rusted D St 3	ndards Swedish Std. SIS055900 SSPC Sa 2.5 SP 10 Sa 2.5 SP 6 Sa 1 SP 7 C St 2 SP 2 D St 2 SP 2 C St 3 SP 3 C St 3 SP 3 D St 3 SP 3				

Marine	VIROLASTIC [®] 840 DTM S POLYASPARTIC URETHANE		
SHERWIN WILLIAMS. Coatings	Part AB65-840SeriesPart BB65V840Hardener		
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APPLICATION PROCEDURES	PERFORMANCE TIPS		
Surface preparation must be completed as indicated.	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. Excessive reduction of material can affect film build, appearance, adhesion, and performance. Do not apply the material beyond recommended pot life.		
Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine two parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agita- tion. Re-stir before using.			
Required: Apply a tack coat of ~1 mil (25 microns) wet. Wait min. 2 minutes before applying full coat. A second coat, if required, can be applied after 20 minutes @ 77°F/25°C fol- lowing the same procedure.			
If reducer solvent is used, add only after both components have	Do not use Quik-Thane Urethane Accelerator.		
been thoroughly mixed. Apply paint at the recommended film thickness and spreading rate as indicated below:	Do not mix previously catalyzed material with new.		
Recommended Spreading Rate per coat*:	Not intended for use with universal primers		
MinimumMaximumWet mils (microns)5.5 (138)9.0 (225)Dry mils (microns)3.0 (75)5.0 (125)~Coverage sq ft/gal (m²/L)179 (4.4)299 (7.3)Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft896 (22.0)NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.*See Application Procedures section.	In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with MEK (R6K10). Mixed coating is sensitive to water. Use water traps in all air lines. Moisture contact can reduce pot life and affect gloss and color.		
Drying Schedule @ 10.0 mils (250 microns) wet:			
@ 50°F/10°C@ 77°F/25°C@ 120°F/49°C50% RHTo touch:1.5 hours20 minutes15 minutesTo handle:3 hours2 hours1 hourTo recoat:			
minimum:1.5 hours*20 minutes*15 minutes*maximum:24 hours24 hours24 hoursTo cure:7 days4 days2 days	Refer to Product Information sheet for additional performance characteristics and properties.		
*Required: Apply a tack coat of ~1 mil (25 microns) wet. Wait min. 2 minutes before applying full coat. A second coat, if required, can be applied after 20 minutes @ 77°F/25°C following the same procedure.	CLEAN UP INSTRUCTIONS		
If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.	Clean spills and spatters immediately with MEK, R6K10. Clean tools immediately after use with MEK, R6K10. Follow manufacturer's safety recommendations when using any solvent.		
Pot Life: 2 hours 1 hour 30 minutes Pot life is temperature and humidity dependent. 30 minutes 30 minutes	SAFETY PRECAUTIONS		
Sweat-in-Time: None required	Refer to the SDS sheet before use.		
Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.	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.

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Application Bulletin.