From:	Bayly, Karen
To:	Pat McCaig
Cc:	Hernandez-Morales, Nereida; Michael Schorr Universal Environmental Avista Oil Group
Subject:	RE: Sherwin Williams primer
Date:	Monday, February 19, 2018 8:01:00 AM

Good Morning Pat – the products are approved. Thanks and have a good day. Karen

Karen Bayly Environmental Consultant South District Office Florida Department of Environmental Protection 2295 Victoria Avenue, Suite 364 P.O. Box 2549, Fort Myers, FL 33902-2549 Karen.Bayly@dep.state.fl.us Office: 239-344-5616



From: Pat McCaig [mailto:patm@edisonoil.com]
Sent: Friday, February 16, 2018 2:28 PM
To: Bayly, Karen <Karen.Bayly@dep.state.fl.us>
Cc: Hernandez-Morales, Nereida <Nereida.HernandezMorales@dep.state.fl.us>; Michael Schorr Universal Environmental Avista Oil Group <mschorr@universalenviro.com>
Subject: Sherwin Williams primer

Karen, Please approve before I order. Thanks

COVER EARTH EARTH	Protec &	tive			SHELCOTE <sup>®</sup> II
SHERWIN WILLIAMS.	Coati	ne ngs	Part A Part B Part B	920W355 700C764 700C826	White Hardener Low Temperature Hardener
Revised Januar	y 13, 2015	P	RODUCT	NFORMATION	TRM.22
<b>P</b> RODUCT <b>D</b> ESCRIPTION				PRODUCT (	CHARACTERISTICS (CONT'D)
SHELCOTE II is a h for resistance to a chemicals includin internal lining for st crete surfaces. Als • Chemical Resist. • Low temperatur	high-solids, amin broad range of Ig MTBE. It is torage tanks. It so formulated fo ant te hardener av	ne cured epoxy of aqueous and p recommended t can be applied or secondary co vailable for app	coating designed betroleum-based principally as an I to steel or con- ntainment use.	Shelf Life: Flash Point: Reduction: Clean Up:	36 months Store indoors at 40°F (4.5°C) to 100°F (38°C). 97°F (36°C), PMCC, mixed Not recommended 255-C-005
35°F (16°C) min	imum to 80°F (	27°C) maximun	n n	REG	COMMENDED <b>U</b> SES
PR	RODUCT <b>C</b> HA	RACTERISTICS	6	Internal tank lining for     unleaded gasoline me	most petroleum products such as crude oil,
Finish:	Semi-0	Gloss		and brines	ant
Color:	Off wh	ite		Heavy duty exterior s	tructural coating
Volume Solids:	57% ±	2%, mixed		<ul> <li>Acceptable for use as</li> <li>Acceptable for use as</li> </ul>	an internal lining for natural gas transmis-
Weight Solids:	75% ±	2%, mixed			
VOC (calculated):	<340 g	g/L; 2.80 lb/gal,	mixed	PERFORM	IANCE CHARACTERISTICS
Mix Ratio:	4:1 by	volume		RESISTANCE GUIDE	
Recomm	ended Sprea	ding Rate pe	r coat:	(Ambient temperature	) Decommonded
		Minimum	Maximum	Crude oil	Recommended
Wet mils (micror	ns)	<b>9.0</b> (225)	<b>11.0</b> (275)	Diesel fuel	Recommended
Dry mils (micror	is)	<b>5.0</b> (125)	<b>6.0</b> (150)	Fuel oils	Recommended
~Coverage sq f	t/gal (m²/L)	<b>150</b> (3.7)	<b>180</b> (4.4)	Aromatic solvents	Recommended
(m <sup>2</sup> /l) @ 1 mil / 25	age sq ft/gal	<b>912</b> (22.3)		Hi-aromatic gasoline	Recommended
NOTE: Brush o	r roll application	may require mu	Itinle coats to	HATRE ETRE TAME	Recommended
achieve maximui	m film thickness	and uniformity o	f appearance.	Ether/fuel blends (reference)	prmed gas)Recommended
Drving Sche	dule @ 9 0 n	nils wet (225	microns):	Acids	Recommended*
With 700C764	@ 55°F/13°C	@ 77°F/25°C	@ 120°F/49°C	<ul> <li>Methanol, ethanol, or</li> <li>Aviation Gasoline/Jet</li> </ul>	Evel Recommended
		50% RH		SECONDARY CONTAI	NMENT
To touch:	/ hours	2 hours	15 minutes	(Immersion service up	to 72 hours)
To recoat:	10 h a ura	1C hours	1 hours	Alkalies     Crude oil	Recommended
maximum:	40 110UIS		4 HOUIS	Diesel fuel	Recommended
Curo to sonvico:	14 days	7 days	3 days	Lubricating oils	Recommended
Pot L ifo	8 hours	4 hours	2 hours	Fuel oils	Recommended
Sweat-in-time:	20 minutes	15 minutes	10 minutes	Hi-aromatic gasoline	Recommended
Drying Scho		nile wet (225	micronel	Ethanol gasohol	Recommended
With 700C826	@ 35°F/1.6°C	@ 55°F/13°C	@ 77°F/25°C	<ul> <li>MTBE, ETBE, TAME</li> <li>Ether/fuel blends (reformance)</li> </ul>	Recommended prmed gas)Recommended
To touch:	12 hours	4 hours	50% RH 2 hours	Dilute acids     Methanol. ethanol. or	blendsRecommended
To recoat:				Aviation Gasoline/Jet	FuelRecommended
minimum:	24 hours	18 hours	12 hours	Epoxy coatings may da	arken or yellow following application
maximum:	30 days	30 days	30 days	And Curling.	Williams representative for specific
Gure to service:	/ days	/ days	/ days	application temperature	e concentration and exposure
Drving time is tem	perature humidi	, auraue surrace tv. and film thickn	ess dependent	recommendations	o, concentration, and exposure
Pot Life:	8 hours	4 hours	2 hours	** Not recommended wi	hen using Low Temperature Hardener
Sweat-in-Time:	30 minutes	15 minutes	None		

	COVER EARTH	Protective &	)			SHELCOTE <sup>®</sup> II
SHE VVIL	RWIN LIAMS.	Marine Coatings		Part A Part B Part B	920W355 700C764 700C826	White Hardener Low Temperature Hardener
Revis	sed Januar	y 13, 2015	Pr	ODUCT I	NFORMATION	TRM.22
	F	Recommended Sys	STEMS		Su	RFACE <b>P</b> REPARATION
Staal		ſ	Dry Film Th <u>Mils</u>	nickness / ct. ( <u>Microns)</u>	Surface must be clean dust, grease, dirt, loos adequate adhesion.	, dry, and in sound condition. Remove all oil re rust, and other foreign material to ensure
2 cts.	Shelcote I	I	5.0-6.0	(125-150)	Refer to product Applic tion information.	cation Bulletin for detailed surface prepara
<b>Steel:</b> 1 ct. 1-2 cts.	Shelcote I Shelcote I	l Flake Filled I	5.0-6.0 5.0-6.0	(125-150) (125-150)	Minimum recommende Iron & Steel: Immersion	ed surface preparation: SSPC-SP10/NACE 2, 2 mil (50 micron) profile
<b>Steel, v</b> 1 ct. 2 cts.	<b>vith hold p</b> Copoxy S Shelcote I	<b>rimer:</b> hop Primer I	1.0-1.5 5.0-6.0	(25-40) (125-150)	Immersion Surface	SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 2-3 face Preparation Standards ion of ISO 8501-1 Swedish Std. BS7079:41 SISD55900 SSPC NACE
Concre 2 cts.	te, smootl Shelcote I	n: I	5.0-6.0	(125-150)	White Metal Near White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning Pitted & Power Tool Cleaning	Sa 3 Sa 2 Sa 2 Sa 2 Sa 2 Sa 1 Sa 1 Sa 1 Sa 1 Sa 1 Sa 1 Sa 2 Sa 2 Sa 2 Sa 2 Sa 2 Sa 2 Sa 2 Sa 2
Concre 1 ct.	te, rough: Corobond Primer/Se	100 Epoxy aler	4.0-6.0	(100-150)	Pitted 8	Rusted D St 3 D St 3 SP 3 -
1-2 cts.	Kem Cati- Filler/Seal voids and	Coat HS Epoxy er as required to fill provide a continuous	10.0-20.	0 (250-500)	Tinting is acceptable for Maxitoner Colorants u	<i>I INTING</i> or use in guide coat or prime coat <b>only</b> . Use p to 1/4 oz per gallon maximum.
1-2 cts.	Shelcote I	I	5.0-6.0	(125-150)	App	LICATION CONDITIONS
The sys other sy	stems listed ystems ma	above are representat y be appropriate.	ive of the p	roduct's use,	Temperature: (air and 700-C-764 Hardene 700-C-826 Hardene Material must be mi Relative humidity: Refer to product Applicat	surface) sr: 55°F (13°C) minimum, 110°F (43°C) maximum sr: 35°F (1.6°C) minimum, 80°F (27°C) maximum xed at 55°F (13°C) minimum At least 5°F (2.8°C) above dew point 85% maximum ion Bulletin for detailed application information.
					OR	dering Information
					Packaging: Part A: Part B:	5 gallons (18.9L) mixed 4 gallons (15.1L) in a 5 gallon (18.9L) container 1 gallon (3 78L)
					Weight:	13.53 ± .2 lb/gal ; 1.62 Kg/L, mixed
					S/	AFETY <b>P</b> RECAUTIONS
					Refer to the MSDS sheet b	efore use.
					Published technical data a Contact your Sherwin-Willi instructions.	nd instructions are subject to change without notice ams representative for additional technical data and
						WARRANTY
The inform based up Such info pertain to Williams Application	mation and re on tests cond rmation and re the product representative on Bulletin.	DISCLAIMER ecommendations set forth in ucted by or on behalf of The commendations set forth he offered at the time of public e to obtain the most recent in	h this Produc: Sherwin-Wi rein are subje ation. Consu Product Data	t Data Sheet are lliams Company. ct to change and ilt your Sherwin- Information and	The Sherwin-Williams Com ing defects in accord with a Liability for products proven tive product or the refund o determined by Sherwin-Wi OF ANY KIND IS MADE BY STATUTORY, BY OPERAT CHANTABILITY AND FITN	pany warrants our products to be free of manufactur oplicable Sherwin-Williams quality control procedures defective, if any, is limited to replacement of the defect f the purchase price paid for the defective product a lliams. NO OTHER WARRANTY OR GUARANTEE Y SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED ON OF LAW OR OTHERWISE, INCLUDING MER ESS FOR A PARTICULAR PURPOSE.

COVER COVER EARTH	Protective &		S	SHELCOTE <sup>®</sup> II
SHERWIN WILLIAMS	Marine Coatings	Part A Part B Part B	920W355 700C764 700C826	White Hardener Low Temperature Hardener
Revised Januar	y 13, 2015 <b>A</b>		ON BULLETIN	TRM.22
	SURFACE PREPARATIONS			ATION CONDITIONS
Surface must be c oil, dust, grease, ensure adequate a	clean, dry, and in sound condition dirt, loose rust, and other foreig adhesion.	n. Remove all gn material to	Temperature: (air and sur 700-C-764 Hardener: 700-C-826 Hardener:	face) 55°F (13°C) minimum, 110°F (43°C) maximum 35°F (1.6°C) minimum, 80°F (27°C)
Iron & Steel (immersion service) Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal		Material must be mixed	maximum l at 55°F (13°C) minimum At least 5°F (2.8°C) above dew point	
using a sharp, ang	ular abrasive for optimum surface	e profile (2 mils	Relative humidity:	85% maximum
Prime any bare ste	el the same day as it is cleaned	or before flash		ATION EQUIPMENT
Iron & Steel (atm Remove all oil and SSPC-SP1. Minim Cleaning per SSP Near White Metal clean all surfaces surface profile (2 m day as it is cleaned	bspheric service) I grease from surface by Solven hum surface preparation is Cor C-SP6/NACE 3. For better per Blast Cleaning per SSPC-SP10/ using a sharp, angular abrasiv ills / 50 microns). Prime any bare d or before flash rusting occurs.	t Cleaning per nmercial Blast formance, use NACE 2. Blast e for optimum steel the same	The following is a guide. O be needed for proper spr equipment before use wit compliant with existing VO existing environmental ar <b>Reduction</b>	Changes in pressures and tip sizes may ay characteristics. Always purge spray h listed reducer. Any reduction must be DC regulations and compatible with the ad application conditions. Not recommended
<b>Concrete and Ma</b> For surface prepar 310.2R, CSP 2-3. Concrete and morta Remove all loose free of laitance, co curing membranes pockets and other	sonry ation, refer to SSPC-SP13/NACE Surfaces should be thoroughly ar must be cured at least 28 days of mortar and foreign material. Su ncrete dust, dirt, form release ag , loose cement and hardeners. Fi voids with Steel-Seam FT910. P	E 6, or ICRI No. clean and dry. @ 75°F (24°C). irface must be jents, moisture Il bug holes, air rimer required.	Airless Spray: Pressure Hose Tip Filter Conventional Spray:	2000 - 2500 psi 1/4" - 3/8" ID 015"017" 60 mesh
Follow the standa ASTM D4258 Star ASTM D4259 Star ASTM D4260 Star ASTM F1869 Stan Emission Rate of ( SSPC-SP 13/Nace ICRI No. 310.2R (	ard methods listed below when dard Practice for Cleaning Cond dard Practice for Abrading Cond dard Practice for Etching Concr dard Test Method for Measuring I Concrete. 6 Surface Preparation of Concr Concrete Surface Preparation.	n <b>applicable:</b> crete. crete. ete. Moisture Vapor rete.	Gun Tip and Needle Air Car Atomization Pressure Fluid Pressure Brush: Brush	Binks 95 63C/63A 63 PE 70 -80 psi 20 -25 psi Nylon/Polyester or Natural Bristle
<b>Concrete, Immers</b> For surface prepare 4.3.1 or 1.3.2 or IC	sion Service: ration, refer to SSPC-SP13/NAC RI No. 310.2R, CSP 2-3.	E 6, Section	Roller: Cover	3/8" woven with solvent resistant core
White Metal Near White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning Rt Power Tool Cleaning Rt	Surface Preparation Standards ondition of ISO 8501-1 Swedish Std sa 3 Sa 2.5 Sa 2.5 Sa 2.5 Sa 2.5 Sa 2 Sa 2 Sa 1 Sa 1 Isted C St 2 C St 2 ted & Rusted D St 2 D St 2 ted & Rusted D St 3 D St 3	SSPC NACE SP5 1 SP10 2 SP6 3 SP7 4 SP2 - SP2 - SP3 -	If specific application eque	uipment is not listed above, equivalent tuted.

COVER EARTH	Protec &	tive			SHELCOTE <sup>®</sup> II
SHERWIN WILLIAMS	Mari Coati	ne ngs	Part A Part B Part B	920W355 700C764 700C826	White Hardener Low Temperature Hardener
Revised Januar	y 13, 2015	Α	PPLICATIO		TRM.22
A	PPLICATION	Procedures			Performance Tips
Surface preparati	on must be co	mpleted as ind	icated.	Stripe coat all crevice	es, welds, and sharp angles to prevent early
Mixing Instruction by using low speece mains on the botto of Part A with 1 pa mixture with power indicated. Re-stir	ns: Mix content d power agitation of the can. art by volume of er agitation. All before using.	s of each compo on. Make certai Then combine 4 Part B. Thoro low the materia	onent thoroughly, n no pigment re- parts by volume ughly agitate the l to sweat-in as	When using spray ap of the gun to avoid ho cross spray at a right	s. pplication, use a 50% overlap with each pass lidays, bare areas, and pinholes. If necessary, t angle.
Apply paint at the rate as indicated	recommende below:	d film thickness	and spreading	an application loss far rosity of the surface,	alculated on volume solids and do not include actor due to surface profile, roughness or po- skill and technique of the applicator, method
Recomm	ended Sprea	ading Rate pe Minimum	e <u>r coat:</u> Maximum	film build.	is surface irregularities, material lost during rthinning, climatic conditions, and excessive
Wet mils (micro Dry mils (micro ~Coverage sq f	ns) ns) <b>t/gal</b> (m²/L)	9.0 (225) 5.0 (125) 150 (3.7)	<b>11.0</b> (275) <b>6.0</b> (150) <b>180</b> (4.4)	Reduction of materia sion.	I will affect film build, appearance, and adhe-
Theoretical cover	rage sq ft/gal	<b>912</b> (22.3)		Do not mix previously	y catalyzed material with new.
NOTE: Brush c	or roll application	n may require mu	ltiple coats to	Do not apply the mat	erial beyond recommended pot life.
		and uniformity c	microns):		
With 700C764	@ 55°F/13°C	@ 77°F/25°C 50% RH	@ 120°F/49°C	before use or before 255-C-005	periods of extended downtime with reducer
To touch: To recoat: minimum:	7 nours	2 nours	15 minutes	Low temperature ha 55°F (13°C).	rdener recommended for applications below
maximum:	30 days	30 days	30 days	Low temperature har	dener not recommended for use at application
Cure to service:	14 days	7 days	3 days	temperatures above	80°F (27°C)
Pot Life:	8 hours	4 hours	2 hours	Lise of low temper	rature hardener may cause accelerated vel-
Drving Sch		mile wot (225	microns):	lowing of the coating	J.
With 700C826	@ 35°F/1.6°C	@ 55°F/13°C	@ 77°F/25°C	Do not use low ter	mperature hardener for immersion service in
To touch:	12 hours	4 hours	<b>50% RH</b> 2 hours	methanol, ethanol, of	r blends.
minimum: maximum:	24 hours 30 days	18 hours 30 days	12 hours 30 days	cause solvent entrap	ment and premature coating failure.
Cure to service: If maximum recoat to Drying time is tem	7 days time is exceeded perature, humid	7 days I, abrade surface ity, and film thickr	7 days before recoating. bess dependent.	For Immersion Serv with ASTM D5162 fo	<b>rice:</b> (if required) Holiday test in accordance r steel, or ASTM D4787 for concrete.
Sweat-in-Time:	30 minutes	15 minutes	None	Refer to Product Inf	formation sheet for additional performance
Application of cc recommended sp	ating above breading rate	maximum or b may adversely	elow minimum affect coating	S	CAFETY PRECAUTIONS
				Refer to the MSDS sheet	before use.
Clean spills and spatt	CLEAN UP IN	ISTRUCTIONS with Reducer 255-	C-005. Clean tools	Published technical data Contact your Sherwin-Wi instructions.	and instructions are subject to change without notice. Iliams representative for additional technical data and
immediately after us safety recommendat	e with Reducer ions when using	255-C-005. Follo any solvent.	ow manutacturer's		WARRANTY
	Discl	AIMER		The Sherwin-Williams Cor defects in accord with ap Liability for products prov	npany warrants our products to be free of manufacturing pplicable Sherwin-Williams quality control procedures. en defective, if any, is limited to replacement of the de-
I he information and re based upon tests cond Such information and re pertain to the product Williams representative Application Bulletin.	ecommendations s lucted by or on be ecommendations s offered at the time e to obtain the mo	set forth in this Proc half of The Sherwin et forth herein are si of publication. Co st recent Product D	duct Data Sheet are -Williams Company. ubject to change and onsult your Sherwin- ata Information and	fective product or the refu as determined by Sherwin OF ANY KIND IS MADE E STATUTORY, BY OPERA CHANTABILITY AND FIT	IND OF THE PURCHASE PRICE PAID FOR THE DEFECTIVE PRODUCT I-WILLIAMS. NO OTHER WARRANTY OR GUARANTEE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED INTION OF LAW OR OTHERWISE, INCLUDING MER- NESS FOR A PARTICULAR PURPOSE.



# COROBOND<sup>™</sup> 100 **EPOXY PRIMER/SEALER**

Part A	B58-5100
Part B	B58V5100

SERIES HARDENER

#### **PRODUCT INFORMATION**

TRM.73

Revised: August 15,	2013 <b>PRODUCT</b>	NFORMATION TRM.73
PR	ODUCT DESCRIPTION	Recommended Uses
COROBOND 100 EPC VOC, low viscosity, pr specifically for use over ment environments. • Helps prevent "blow • Low viscosity • Low VOC • Fast dry • Superior penetrating • Improved visibility dr	DXY PRIMER/SEALER is a high solids, low enetrating epoxy primer/sealer formulated er concrete surfaces in secondary contain- -back" and "outgassing" g characteristics uring application	<ul> <li>Corobond 100 can be used on all bare concrete surfaces where a 2 part epoxy, penetrating primer is recommended. Its low viscosity and quick recoat time allow it to be used for areas that need a fast turnaround.</li> <li>Secondary Containment</li> <li>Designed specifically as a high performance primer sealer for</li> </ul>
Prod	UCT CHARACTERISTICS	secondary containment applications
Finish:	Flat sheen	Suitable for use in the Mining & Minerals Industry
Color:	Off White, Haze Gray	Performance Characteristics
Volume Solids:	98%, calculated, mixed	A high performance primer/sealer for new or existing bare concrete
VOC (calculated):	<100 g/l; .83 lb/gal, mixed	surfaces
Mix Ratio:	2:1 by volume, premeasured	Helps prevent "blow-back" and "outgassing" of topcoats superior
Recommend	ded Spreading Rate per coat:	penetrating characteristics
Wet mils (microns) Dry mils (microns) ~Coverage sq ft/ga Theoretical coverage (m²/L) @ 1 mil / 25 mic Apply primer to achieve plete wetting of the coi (100-150 microns) wft. concrete. Roll out any	Minimum         Maximum           4.0 (100)         6.0 (150)           4.0 (100)         6.0 (150)           4.0 (100)         6.0 (150)           4.0 (100)         6.0 (150)           4.0 (100)         6.0 (150)           4.0 (100)         6.0 (150)           6.0 (150)         400 (9.8)           a uniform hiding, appearance, and comnocrete surface, approximately 4.0-6.0 mils           Coating will be partially absorbed into the puddles.	Superior penetrating characteristics Refer to applicable topcoat for additional performance information White in color to provide contrast with concrete Excellent penetrating properties to provide a "tight and sound" substrate prior to subsequent topcoats
Drying Schedu	@ 77°E/25°C	Can recoat while primer is still tacky
	50% RH	
To touch:	2 hours	Designed to be topcoated
minimum: maximum: To cure: *Can be topcoated up to 3 Phenicon HS FF, Cor-Cot Glass FF, or Steel-Seam immersion or secondary of necessary. Primer can be topcoated If maximum recoat time Drying time is tempera	3 hours 24 hours* 7 days 30 days after application with Phenicon HS, te HCR, Cor-Cote RPP, Macropoxy 646, Sher- FT910. 30 day recoat acceptable for non- containment applications. Check adhesion as d even if the surface is still tacky. <i>is exceeded, abrade surface before recoating.</i> <i>iture, humidity, and film thickness dependent.</i>	
Pot Life: Sweat-in-time:	45 minutes None required	
Shelf Life:	36 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).	
Flash Point: Reduction: Clean Up:	100°F (38°C), PMCC, mixed Not recommended Reducer #54, R7K54	



# COROBOND<sup>™</sup> 100 **EPOXY PRIMER/SEALER**

Part <b>A</b>	B58
Part B	B58

-5100 V5100

SERIES HARDENER

#### **PRODUCT INFORMATION**

TRM.73

Revis	sed: August 15, 2013	<b>P</b> R	ODUCT I	NFORMATION	TRM.	73
	Recommended Systems			Suri	FACE <b>P</b> REPARATION	
Concre	ete, Secondary Containment: ete & Masonry:	Dry Film TI <u>Mils</u>	nickness / ct. ( <u>Microns)</u>	Surface must be clean, oil, dust, grease, dirt, lo ensure adequate adhes	dry, and in sound condition. Remove pose rust, and other foreign material ion.	all to
1 ct. 1-2 cts 1-2 cts *Deper accept HS, or	Corobond 100 Epoxy Primer/Sealer Apply primer to achieve uniform hiding, appearance, and compl wetting of the concrete surface Coating will be partially absorbe into the concrete. Roll out any Kem Cati-Coat HS Epoxy Filler/Sealer, as required to fill voids and bugholes to provide a . Cor-Cote E.N. 7000 Epoxy Novolac Coating mdent on the severity of the envir able topcoats may include Cor-Co Shelcote II.	4.0-6.0 ete puddles. 10.0-20.0 a continuous 10.0-14.0*	(100-150) (250-500) substrate. (250-350)* er Phenicon	Refer to product Application information. Minimum recommended Concrete & Masonry: *Refer to System Select <u>Surface</u> White Metal Near White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning Power Tool Cleaning Pitted & R Rusted Pitted & R	A surface preparation: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 3-6* icon Guide 22 Preparation Standards nof 100 8501-1 Swedish Std. BS7079:A1 SIS055900 SSPC NAC Sa 3 Sa 2.5 SP 10 2 Sa 2 Sa 2 Sa 2 SP 6 3 Sa 2.5 Sa 2.5 SP 10 2 Sa 2 Sa 2 Sa 2 SP 6 3 Sa 2.5 Sa 2.5 SP 7 4 CSt 2 C St 2 SP 2 - CSt 3 C St 3 SP 3 - Rusted D St 3 D St 3 SP 3 - Rusted D St 3 D St 3 SP 3 -	Ira- E
Mortar	' System:			Do not tint.		
1 ct.	Corobond 100 Epoxy	4.0-6.0	(100-150)	Appli	ICATION CONDITIONS	
<ul> <li>Primer/Sealer</li> <li>1 ct. Cor-Cote HCR Epoxy with 70 lbs Type T Aggregate per 1.25 gallons3/16" dft yields 44 sq. ft.</li> <li>1 ct. Cor-Cote HCR Epoxy 15.0-20.0 (375-50) (375-50)</li> <li>1 ct. Cor-Cote HCR FF Flake Filled 15.0-20.0 (375-50)</li> <li>Epoxy</li> </ul>	gregate (375-500) (375-500)	Temperature: Relative humidity: Refer to product Applicatio	55°F (13°C) minimum, 100°F (38°C maximum (air, surface, and material) At least 5°F (2.8°C) above dew poi 85% maximum n Bulletin for detailed application informati	) nt on.		
				Orde	ERING INFORMATION	
The sy other s	stems listed above are represent systems may be appropriate.	ative of the p	roduct's use,	Packaging: 3 gallon (11.3L) mix 15 gallon (75L) mix	Part A: 2 gallons (7.56L) Part B: 1 gallon (3.78L) Part A: Two 5 gallon (18.9L) containers Part B: One 5 gallon (18.9L) container	_
				Weight:	9.5 ± 0.2 lb/gal ; 1.15 Kg/L, mixed	
				SAF	ETY <b>P</b> RECAUTIONS	
				Refer to the MSDS sheet before	ore use.	_
				Published technical data and Contact your Sherwin-William instructions.	instructions are subject to change without no ns representative for additional technical data	tice. and
					WARRANTY	
The info based up Such info pertain t Williams Applicati	<b>Disclaimer</b> rmation and recommendations set forth pon tests conducted by or on behalf of T ormation and recommendations set forth o the product offered at the time of pub representative to obtain the most recer- tion Bulletin.	in this Product he Sherwin-Wil herein are subje lication. Consu It Product Data	Data Sheet are liams Company. ct to change and lt your Sherwin- Information and	The Sherwin-Williams Compa ing defects in accord with appl Liability for products proven de tive product or the refund of th determined by Sherwin-Willia OF ANY KIND IS MADE BY S STATUTORY, BY OPERATIO CHANTABILITY AND FITNES	any warrants our products to be free of manufa- licable Sherwin-Williams quality control procedu efective, if any, is limited to replacement of the de he purchase price paid for the defective produc mms. NO OTHER WARRANTY OR GUARAN SHERWIN-WILLIAMS, EXPRESSED OR IMPL NO OF LAW OR OTHERWISE, INCLUDING M SS FOR A PARTICULAR PURPOSE.	tur- res. fec- t as TEE ED, ER-



Revised: August 15, 2013

# COROBOND<sup>™</sup> 100 EPOXY PRIMER/SEALER

PART A	E
PART B	E

B58-5100 B58V5100 Series Hardener

#### **APPLICATION BULLETIN**

TRM.73

SURFACE PREPARATIONS	Application Conditions
Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.	Temperature:55°F (13°C) minimum, 100°F (38°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
<b>Concrete and Masonry</b> For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No.	Relative humidity: 85% maximum
310.2R, CSP 3-6*. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ $75^{\circ}$ E (24°C).	APPLICATION EQUIPMENT
Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910.	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
Follow the standard methods listed below when applicable:	
ASTM D4259 Standard Practice for Abrading Concrete.	ReductionNot recommended
ASTM D4260 Standard Practice for Etching Concrete. ASTM F1869 Standard Test Method for Measuring Moisture Vapor	Clean UpReducer #54, R7K54
Emission Rate of Concrete.	Airless Spray
ICRI No. 310.2R Concrete Surface Preparation of Concrete.	Pump
*Defer to System Selection Cuide	Tip019"
Relef to System Selection Guide	Filter60 mesh
	Brush BrushNatural Bristle
	Roller Cover
	If specific application equipment is not listed above, equivalent equipment may be substituted.
Surface Preparation StandardsCondition of SurfaceISO 8501-1 BS7079:A1Swedish Std. Siso55900SsPCNACEWhite Metal Near White Metal Commercial BlastSa 3 Sa 2.5Sa 2.5 Sa 2.5Sa 2.5 Sa 2.5SP 5 Sa 2.51Commercial Blast Brush-Off BlastSa 1 Pitted & Rusted Pitted & RustedSa 1 D St 2Sp 7 Sp 2 Sp 24Power Tool Cleaning Pitted & Rusted Pitted & Rusted Pitted & Rusted D St 3D St 3 D St 3Sp 3 Sp 3-	



Revised: August 15, 2013

# COROBOND<sup>™</sup> 100 EPOXY PRIMER/SEALER

Part A	B58-5100
Part B	B58V5100

Series Hardener

TRM.73

#### **APPLICATION BULLETIN**

Application <b>P</b> rocedures	Performance Tips
Surface preparation must be completed as indicated.	When using spray application, use a 50% overlap with each pass
<b>Mixing Instructions:</b> Mix components only after all surfaces are completely prepared and ready to be coated. Thoroughly agitate each component using low speed mechanical agitation, i.e., Jiffy	of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle
Blade model ES. Then combine 2 parts by volume of Part A with 1 part by volume Part B. Using mechanical agitation, Jiffy Blade ES, thoroughly mix material for three minutes at 250 rpm. Only mix full units. Be sure to mix material from the bottom and sides of the containers.	Spreading rates are calculated on volume solids and do not include 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
Apply paint at the recommended film thickness and spreading rate as indicated below:	mixing, spillage, overthinning, climatic conditions, and excessive film build.
Recommended Spreading Rate per coat:	No reduction of material is recommended as it can affect film build
Minimum Maximum	appearance, and adhesion.
Wet mils (microns) 4.0 (100) 6.0 (150)	
Dry mils (microns)         4.0 (100)         6.0 (150)           ~Coverage sq ft/gal (m²/L)         265 (6.5)         400 (9.8)	Do not apply the material beyond recommended pot life.
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft1600 (39.2)	Do not mix previously catalyzed material with new.
Apply primer to achieve uniform hiding, appearance, and com- plete wetting of the concrete surface, approximately 4.0-6.0 mils (100-150 microns) wft. Coating will be partially absorbed into the concrete. Roll out any puddles.	In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Reducer #54, R7K54.
Drying Schedule @ 5.0 mils wet (125 microns):	
@ 77°F/25°C	
50% RH	
To touch: 2 hours	
To recoat:	
minimum: 3 nours	
To ourou Z dovo	
*Can be topcoated up to 30 days after application with Phenicon HS, Phenicon HS FF, Cor-Cote HCR, Cor-Cote RPP, Macropoxy 646, Sher- Glass FF, or Steel-Seam FT910. 30 day recoat acceptable for non- immersion or secondary containment applications. Check adhesion as necessary.	
Primer can be topcoated even if the surface is still tacky.	Defense Dreduct information about for additional norfermana
If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.	characteristics and properties.
Pot Life: 45 minutes Sweat-in-time: None required	SAFETY PRECAUTIONS
Application of coating above maximum or below minimum	Refer to the MSDS sheet before use.
recommended spreading rate may adversely affect coating performance.	Published technical data and instructions are subject to change without notice.
CLEAN UP INSTRUCTIONS	instructions.
Clean spills and spatters immediately with Reducer #54, R7K54. Clean tools immediately after use with Reducer #54, R7K54. Follow	WARRANTY
manufacturer's safety recommendations when using any solvent.	The Sherwin-Williams Company warrants our products to be free of manufacturing
Disclaimer	detects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the de- fective products of the refuged of the purchase relies and for the defective and define
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.	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.