	<b>T 1</b> (	• 1		4.7		
THE SHERWIN-WILLIAMS	Industr	IAl		TADCUADDI		
COMPANY	and			IARGUARD'''		
				COAL TAR EPOX		
COVER	Marine		PART	A B69B60 BLA		
	Coating	25	PART	A B69R60 R		
	000000	5~	PART	B B69V60 HARDEN		
& MARINE COATINGS		PROD	IFORMATION Revised 1/02			
	PRODUCT DE	SCRIPTION		RECOMMENDED USES		
TARGUARD CO epoxy coal tar co	DAL TAR EPOX Dating.	<b>(Y</b> is a high bu	ild, polyamide	For use over prepared substrates such as steel and concrete in industrial environments.		
Meets the follow	ing specificatio	ns:		Dam gates     Marine applications		
Corps of Engin	neers Formula	C-200a		Petroleum storage tanks     Offshore drilling rigs		
• 55PC Paint 1	6-911 Specifica	ation		<ul> <li>Neavy duty structural coating</li> <li>Non-potable water tank and pipe coating</li> </ul>		
				Acceptable for use with cathodic protection systems		
Р	RODUCT CHA	RACTERISTICS		PERFORMANCE CHARACTERISTICS		
Finish:	Sem	-Gloss		System Tested: (unless otherwise indicated)		
Color:	blor: Black, Red			Substrate: Steel Surface Preparation: SSPC-SP6		
Volume Solids:	<b>Volume Solids:</b> 74% ± 2%, mixed			1 ct. IarGuard Coal Iar Epoxy @ 10.0 mils dft		
Weight Solids: 82% ± 2%, mixed				Abrasion Resistance:Method:ASTM D4060, CS17 wheel, 1000 cycles, 1 kg loadResult:137 mg loss		
VOC (calculated mixed	VOC (calculated): Unreduced: 225 g/L; 1.88 lb/gal mixed Reduced 10%: 264 g/L; 2.36 lb/gal			Adhesion:		
Mix Patio	2	monont promo	acurad 1:1	Method: ASTM D4541		
WIX Ratio:	Mix Ratio:         2 component, premeasured 4:1           5 gallons mixed			Result: 1000 psi		
Recommended	Spreading Rat	e per coat:		Direct Impact Resistance: Method: ASTM D2794		
Wet mils:	11.0 8.0 -	- 22.0 16.0		Result: 36 in. lbs.		
Coverage:	74 -	148 sq ft/gal ap	proximate	Des Hast Desistences		
NOTE: Brush or ro maximum film thick	ll application may kness and uniforr	require multiple on the multiple of appearance of appearance of appearance of appearance of a second s	coats to achieve e.	Dry Heat Resistance:Method:ASTM D2485Result:250°F		
Drying Schedule	e @ 11.0 mils	wet @ 50% RH	:	Mainture Condenantian Desistence:		
To touch:	@ <b>50°F</b> 14 hours	@ <b>77°F</b> 8 - 10 hours	@ <b>100°F</b> 2 hours	Moisture Condensation Resistance: Method: ASTM D4585, 100°F, 3000 hours		
To recoat:	48 hours	18 hours	5 hours			
maximum:	72 hours	72 hours	12 hours	Pencil Hardness:		
To cure:	7-10 days	7-10 days	2 days	Method: ASTM D3363		
Pot Life:	2-1/2 hours	2 hours	1 hour	Result. F		
Sweat-in-Time:	15 minutes	10 minutes	none	Salt Fog Resistance: Method: ASTM B117, 3000 hours		
If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.				Result: Excellent		
Shelf Life:	Shelf Life: 8 months, unopened, at 77°F		, at 77°F	Method: ASTM D2246, 100 cycles		
Flash Point:	82°F,	PMCC, mixed				
Reducer/Clean Up: Xylene, R2K4			Wet Heat Resistance:Method:Non-immersionResult:120°F			

Ероху

Le du atra al	4.72										
THE SHERWIN-WILLIAMS COMPANY											
and	TARGUARD										
Marine	COAL TAR EPOXY										
Pai	RT A B69B60 BLACK										
Pa	TB B69V60 HARDENER										
INDUSTRIAL & MARINE COATINGS PRODUCT INFORMATION											
RECOMMENDED SYSTEMS	SURFACE PREPARATION										
<b>Concrete, atmospheric or immersion:</b> 2 cts. TarGuard Coal Tar Epoxy @ 8.0 - 16.0 mils dft/ct	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.										
Steel, atmospheric or immersion:2 cts.TarGuard Coal Tar Epoxy @ 8.0 - 16.0 mils dft/ct	Refer to product Application Bulletin for detailed surface preparation information.										
Steel, atmospheric or immersion:1 ct.Copoxy Shop Primer @ 3.0 - 5.0 mils dft	Minimum recommended surface preparation:										
2 cts. TarGuard Coal Tar Epoxy @ 8.0 - 16.0 mils dft/ct	Iron & Steel: Atmospheric: SSPC-SP6, 2 mil profile										
Steel, zinc rich primer, atmospheric only:	Immersion: SSPC-SP10, 3 mil profile										
2 cts. TarGuard Coal Tar Epoxy @ 8.0 - 16.0 mils dft/ct	Galvanizing: Brush Blast, 2 mil profile										
Aluminum, atmospheric only:	Concrete & Masonry: Atmospheric: SSPC-SP13/NACE 6										
2 cts. TarGuard Coal Tar Epoxy @ 8.0 - 16.0 mils dft/ct	Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2										
Galvanized Metal, atmospheric only:	Тілтілд										
	Do not tint.										
	APPLICATION CONDITIONS										
	Temperature: 50°F minimum, 100°F maximum										
	(air, surface, and material) At least 5°F above dew point										
	Refer to product Application Bulletin for detailed application information.										
	ORDERING INFORMATION										
	Packaging:5 gallons mixedPart A:4 gallons in a 5 gallon containerPart B:1 gallon										
	Weight per gallon: $10.7 \pm 0.2$ lb, mixed										
	SAFETY PRECAUTIONS										
	Refer to the MSDS sheet before use.										
The systems listed above are representative of the product's use. Other systems may be appropriate.	Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.										

	2	1.72A	
THE SHERWIN-WILLIAMS COMPANY	<b>TARGUARD</b> <sup>™</sup>		
Marino	COAL TAR E	ΡΟΧΥ	
Interne Part Part Part	A B69B60 A B69R60 B B69V60	BLACK REI HARDENEE	
INDUSTRIAL & MARINE COATINGS APPLICATIO	DN BULLETIN Revi	ised 1/02	
SURFACE PREPARATION	APPLICATION CONDITIONS		
General Surface Preparation Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure good adhesion. Iron & Steel, Immersion Service: Remove all oil and grease from surface by Solvent Cleaning per SSPC- SP1. Minimum surface preparation is Near White Metal Blast Clean- ing per SSPC-SP10 or SSPC-SP12/NACE No. 5. For SSPC-SP10, blast clean all surfaces using a sharp, angular abrasive for ontimum	Temperature:50°F minimum, 100°F m (air, surface, and materia At least 5°F above dew pRelative humidity:90% maximum	aximum I) oint	
surface profile (3 mils). For SSPC-SP12/NACE No. 5, all surfaces to			
Pre-existing profile should be approximately 3 mils. Remove all weld			
<ul> <li>spatter and round all sharp edges by grinding to a minimum 1/4" radius. Prime any bare steel the same day as it is cleaned.</li> <li>Iron &amp; Steel, Atmospheric Service:</li> <li>Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6 or SSPC-SP12/NACE No. 5. For surfaces prepared by SSPC-SP6, first remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). For surfaces prepared by SSPC-SP12/NACE No. 5, all surfaces shall be cleaned in accordance with WJ-3/SC-2. Pre-existing profile should be approximately 2 mils. Prime any bare steel the same day as it is cleaned.</li> <li>Galvanized Steel/Aluminum</li> <li>Allow to weather a minimum of six months prior to coating. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1 to provide a 2 mil profile.</li> <li>Concrete/Masonry, Atmospheric Service:</li> <li>New</li> <li>For surface preparation, refer to SSPC-SP13/NACE 6. Surface must</li> </ul>	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 compatible with the existing environmental and appli- cation conditions. <b>Reducer/Clean Up</b> Xylene, R2K4 <b>Airless Spray</b> Pressure		
be clean, dry, sound, and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. Refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 6.0 and 10.0. Allow to dry thoroughly prior to coating. <b>Old</b> Surface preparation is done in much the same manner as new con- crete; however, if the concrete is contaminated with oils, grease, chemi- cals, etc., they must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. If surface deterioration presents an un- acceptably rough surface, Kem Cati-Coat HS Epoxy Filler/Sealer is recommended to patch and resurface damaged concrete. <b>Concrete/Masonry, Immersion Service:</b> For surface preparation, refer to SSPC-SP13/NACE 6, Section 4.3.1 or 4.3.2. <b>Always follow the industry standards listed below:</b> ASTM D4258 Standard Practice for Cleaning Concrete. ASTM D4263 Plastic Sheet Method for Checking Moisture in Con- crete. ASTM D4263 Plastic Sheet Method for Checking Moisture in Con- crete. SSPC-SP13/NACE 6 Surface Preparation of Concrete	GunBinks 95 Fluid Nozzle	volume I bristle //2" quivalent	

	La ducto	al			4.72A				
THE SHERWIN-WILLIAMS COMPANY	Incustr	lAl		TAPCIIAPDTM					
	and			IANGUAND					
<u>X</u>	Marine				COAL TAR EPOXY				
COVER EARTH MACHAGE				A B69B60	BLACK				
	Coanny	zs	PART PART	B B69V60	Red Hardener				
INDUSTRIAL & MARINE COATINGS APPLICATION BULLETIN									
A	PPLICATION F	ROCEDURES		Performance Tips					
Surface preparat	ion must be co	mpleted as indi	cated.	Stripe coat all crevice early failure in these a	es, welds, and sharp angles to prevent areas.				
Mix contents of e tion. Make certa can. Then comb part by volume o power agitation.	each componen ain no pigment bine four parts f Part B. Thorc Allow the mat	t thoroughly with remains on the by volume of Pa bughly agitate th erial to sweat-ir	h power agita- bottom of the art A with one e mixture with 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. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity 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.					
Re-stir before us If reducer solver have been thoro	ing. nt is used, ado ughly mixed, af	l only after both ter sweat-in.	n components						
Apply paint at the rate as indicated	e recommended below:	d film thickness	and spreading						
Recommended Wet mils:	Spreading Ra 11.0	<b>te per coat:</b> - 22.0		ance, and adhesion.	n material can allect lifth build, appear-				
Dry mils: Coverage:	Dry mils: 8.0 - 16.0				erial beyond recommended pot life.				
NOTE: Brush or ro maximum film thick	oll application may ness and uniformi	require multiple of appearance.	coats to achieve	Do not mix previously	r catalyzed material with new.				
Drying Schedule @ 11.0 mils wet @ 50% RH: @ 50°F @ 77°F @100°F				In order to avoid blockage of spray equipment, clean equip- ment before use or before periods of extended downtime with Xylene, R2K4.					
To touch: To recoat:	14 hours	8 - 10 hours	2 hours	Coating must be fu	lly gurad before placing into immersion				
minimum:	48 hours	18 hours	5 hours	service.	ing carea before placing into inimersion				
To cure:	7-10 days	7-10 days	2 days	Holiday Detection: 1	Jse a wet sponge-type detector such as				
Pot Life: Sweat-in-Time:	2-1/2 hours 15 minutes	2 hours 10 minutes	1 hour none	KD Bird Dog or equiva ommendation. Test or in fresh films may pro-	alent equipment per manufacturer's rec- nly cured coating, as solvent entrapment avide false readings				
If maximum recoat Drying time is temp	time is exceeded perature, humidit	, abrade surface b y, and film thickne	efore recoating. ess dependent.	Quik-Kick Epoxy Accorpage 4.99 for details.	elerator is acceptable for use. See data				
Application of coating above maximum or below minimum rec- ommended spreading rate may adversely affect coating per- formance.				Refer to Product Infor characteristics and pr	mation sheet for additional performance operties.				
CLEAN UP INSTRUCTIONS				SA	FETY PRECAUTIONS				
Clean spills and spatters immediately with Xylene, R2K4. Clean tools immediately after use with Xylene, R2K4. Follow manufacturer's safety recommendations when using any sol- vent.				Refer to the MSDS sh Published technical da without notice. Conta for additional technica	neet before use. Ata and instructions are subject to change act your Sherwin-Williams representative al data and instructions.				