	Protective & Marine	WELD	OABLE INO PRECONS	TRUCTION	INC-RICH N PRIMER	
SHERWIN WILLIAMS.	Coatings		Part A Part B	B69A10 B69V10	Base Hardener	
Revised 9/09	Pr	RODUCT I	NFORMATION		6.22	
	<b>P</b> RODUCT <b>D</b> ESCRIPTION		R	ECOMMENDED US	ES	
a solvent-based, t preconstruction pri			<ul> <li>For use over prepa</li> <li>For protection of ste during construction</li> </ul>		nd off-shore structures	
<ul> <li>Single coat appl</li> <li>Provides corrosi</li> <li>Weldable</li> <li>Low fume releas</li> <li>Fast Dry</li> </ul>	on protection		Where impact and a		·	
<ul> <li>Long pot life - 2<sup>2</sup></li> <li>Easy mix 1:2 rat</li> </ul>	4 hours io		<ul><li>For areas where we</li><li>Acceptable for imm</li></ul>	-		
	RODUCT CHARACTERISTICS		PERFOR	MANCE CHARACT	ERISTICS	
Finish: Color: Volume Solids: Weight Solids: VOC (EPA Method	r:         Gray-green           me Solids:         23% ± 2%, mixed, calculated           ht Solids:         58% ± 2 %, mixed			Substrate*: Steel Surface Preparation*: SSPC-SP10/NACE 2 System Tested*: 1 ct. Zinc Plate Weldable PCP @ 0.5 mils (13 microns) dft *unless otherwise noted below		
•		lixeu	Test Name	Test Method	Results	
Zinc Content in Dry Film: 67% by weightMix Ratio:2 components; premeasured 1:2 5 gallons (18.9L) mix			Abrasion Resistance	ASTM D968, Falling Sand	15.7 liters per mil	
<u>Recomm</u>	ended Spreading Rate per Minimum	<u>coat:</u> Maximum	Adhesion Dry Heat Resistance	ASTM D4541 ASTM D2485	665 psi 750°F (399°C)	
Wet mils (micror Dry mils (micror ~Coverage sq f Theoretical covera (m²/L) @ 1 mil / 25	ns) 0.5 13 t/gal (m²/L) 461 11.3 de sg ft/gal 200 0.0	<ul><li>3.5 88</li><li>0.8 20</li><li>738 18.1</li></ul>	Exterior Exposure	6 months Kuri Beach, NC	Rating 10 per ASTM D610 for rusting; Rating 10 per ASTM D714 for blistering	
NOTE: Brush c achieve maximu	or roll application may require multi m film thickness and uniformity of a	ple coats to appearance.	Flexibility	ASTM D522, 180° bend, 1/8" mandrel	Passes	
Drying Sche	• • • • • • • • • • •	<u>nicrons):</u> @ 120°F/49°C	Impact Resistance	ASTM D2794	Direct Impact - 160 in lb; Reverse Im- pace - 40 in lb	
To touch:	50% RH 4 minutes 2 minutes	1 minute	Pencil Hardness	ASTM D3363	6H	
To handle: To topcoat: To cure: Drving time is tem	7 minutes 5 minutes 7 days 7 days 7 days 7 days perature, humidity, and film thicknes	3 minutes 7 days 7 days ss dependent.	Salt Fog Resistance	ASTM B117, 2500 hours	Rating 10 per ASTM D714 for Blistering; Rating 9 per ASTM D610 for Rusting	
Pot Life: Sweat-in-Time: Shelf Life:	24 hours 8 hours None required 9 months, unope Store indoors at 4	4 hours	Welding Test	Mil-STD-248D, filet size 3/16", travel speed 15 in/min, Volts 23	Passes	
Flash Point: Reducer/Clean Below 80°F (27° Above 80°F (27°	100°F (38°C) 56°F (13°C) PMC Up:	CC, mixed				

# **ZINC PLATE™** WELDABLE INORGANIC ZINC-RICH **PRECONSTRUCTION PRIMER**

PART A B69A10 PART B B69V10

HARDENER

BASE

6.22

# **PRODUCT INFORMATION**

**Protective** 

&

Marine

Coatings

Application Bulletin.

Recommended Systems	SURFACE PREPARATION			
Dry Film Thickness / ct.         Mils       (Microns)         Steel, atmospheric or immersion:       0.5 - 0.8 (13-20)	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.			
Acceptable topcoats (including immersion service): Dura-Plate 235	Refer to product Application Bulletin for detailed surface prepara- tion information.			
Macropoxy 646 Mil-P-24441B	Minimum recommended surface preparation: Iron & Steel SSPC-SP10/NACE 2			
TarGuard Mil-P-23236	Prior to topcoating, remove all soluble salts and contaminants. For immersion service, maximum chloride content allowed is 5 µg/cm <sup>2</sup> . Surface Preparation Standards			
The systems listed above are representative of the product's use, other systems may be appropriate.	Condition of SurfaceISO 8501-1 BS7079:A1Swedish Std. SIS055900White MetalSa 3SP 51Near White MetalSa 2.5Sa 2.5SP 5Near White MetalSa 2.5Sa 2.5SP 10Srush-Off BlastSa 2Sa 2Sa 2Sa 2Brush-Off BlastRustedC St 2C St 2SP 2Hand Tool CleaningPitted & RustedC St 2D St 2SP 2Power Tool CleaningPitted & RustedD St 3D St 3SP 3			
	TINTING			
	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:40% - 90%Refer to product Application Bulletin for detailed application information.			
	ORDERING INFORMATION			
	Packaging:         5 gallons (18.9L) mixed           B69A10         1.67 gallons (6.3L) in a 5 gallon (18.9L)           can (39.3 lbs / 17.8 Kg)         3.33 gallons (12.6L) in a 5 gallon (18.9L)           can (25.0 lbs / 11.3 Kg)         11.3 Kg)			
	Weight: $13.19 \pm 0.2$ lb/gal ; 1.6 Kg/L, mixed			
	SAFETY PRECAUTIONS			
	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			
<b>Disclaimer</b> 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	The Sherwin-Williams Company warrants our products to be free of manufactur- ing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defec- tive 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.

CONTRACTOR OF CONT	Protective & Marine	ZINC PLATE <sup>™</sup> WELDABLE INORGANIC ZINC-RICH PRECONSTRUCTION PRIMER				
Sherwin Williams.	Coatings		Part A Part B	B69A10 B69V10	Base Hardener	
Revised 9/09			N BULLETIN	l	6.22	
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:	maximum (air, surface, a	40°F (4.5°C) minimum, 100°F (38°C maximum (air, surface, and material) At least 5°F (2.8°C) above dew poin	

Zinc rich coatings require direct contact between the zinc pigment in the coating and the metal substrate for optimum performance.

#### Iron & Steel (atmospheric or immersion service)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (1.5-2 mils / 38-50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

**Note:** If blast cleaning with steel media is used, an appropriate amount of steel grit blast media may be incorporated into the work mix to render a dense, angular 1.5-2.0 mil (38-50 micron) surface profile. This method may result in improved adhesion and performance.

Prior to topcoating, remove all soluble salts and contaminants. For immersion service, maximum chloride content allowed is 5  $\mu$ g/cm<sup>2</sup>.

Surface Preparation Standards						
Condition of ISO 8501-1 Swedish Std. Surface BS7079:A1 SIS055900 SSPC NACE						
White Metal Near White Metal		Sa 3 Sa 2.5	Sa 3 Sa 2.5	SP 5 SP 10	1	
Commercial Blast Brush-Off Blast		Sa 2 Sa 1	Sa 2 Sa 1	SP 6 SP 7	3	
Hand Tool Cleaning	Rusted Pitted & Rusted	C St 2 D St 2	C St 2 D St 2	ŠP 2 SP 2	-	
Power Tool Cleaning			C St 3	SP 3 SP 3	-	

existing environmental and application conditions.

Relative humidity:

Reducer/Clean Up				
Below 80°F	Xylene, R2K4			

		<b>y</b> = = ,
Above	80°F	Reducer #58, R7K58

40% - 90%

**APPLICATION EQUIPMENT** 

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

## **Airless Spray**

(use Teflon packings and continuous agitation) Pressure......1800 - 2000 psi

11	0/01/10
Hose	3/8" ID
Тір	015" - 019"
Reduction	Not required

## **Conventional Spray**

(continuous agitation red	quired)
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63PB
Atomization Pressure	30 - 40 psi
Fluid Pressure	
Reduction	Not required

Keep pressure pot at level of applicator to avoid blocking of fluid line due to weight of material. Blow back coating in fluid line at intermittent shutdowns, but continue agitation at pressure pot.

Brush ......For touch-up only

If specific application equipment is not listed above, equivalent equipment may be substituted.

CAN	& Marine	е	WELD		ORGANIC Z	
Sherwin Williams.	Coating	<b>Ş</b> S		Part A Part B	B69A10 B69V10	Base Hardener
		AF	PLICATIO	N BULLETIN		6.22
A	PPLICATION <b>P</b> R	OCEDURES			PERFORMANCE TIP	S
Surface preparation					nimum cure times at norm g periods are required if prir ty is low.	
Zinc Plate Weldable when mixed provid	PCP comes in 2 p es 5 gallons (18.9	remeasured c L) of read-to-	ontainers which apply material.		s will pinhole or delaminate	
Mixing Instruction using low speed po on the bottom or sid of Part A <u>into</u> 2 par mixture with power	wer agitation. Mak des of the can. The ts by volume of P	e certain no pi en combine 1	igment remains part by volume	<ul> <li>This is usually due to poor ambient conditions or faulty application of top-coats. This can be minimized by:</li> <li>Providing adequate ventilation and suitable application and substrate temperature.</li> <li>Avoid dry spray of topcoat.</li> <li>If pinholing develops, apply a mist coat of the topcoat, reduced up to</li> </ul>		
If reducer solvent i been thoroughly m	s used, add only ixed.	after both cor	nponents have		utes flash off and follow with coat, but at minimum film	
Continuous agitatic Apply paint at the		• • • •		Excessive film build, p solvent entrapment a	poor ventilation, and cool te	mperatures may cause
rate as indicated b	pelow:			solvent entrapment and premature coating failure. Any salting on the zinc surface due to weathering exposure must be		
Recomm	ended Spreadii	• ·	_	removed prior to topc	plication, use a 50% overla	an with each pass of the
achieve maximur Drying Sche To touch: To handle: To topcoat: To cure:	ns) /gal (m²/L) / ge sq ft/gal microns dft r roll application man film thickness and dule @ 2.0 mils @ 77°F/25°C @ 4 minutes 2 7 minutes 5 7 days 7 days 24 hours Nor Nor ng above maximu	d uniformity of s wet (100 n 100°F/38°C 50% RH 2 minutes 5 minutes 7 days 7 days 7 days 7 days 8 hours ne required m or below m	appearance. nicrons): @ 120°F/49°C 1 minute 3 minutes 7 days 7 days 7 days ss dependent. 4 hours inimum recom-	gun to avoid holidays, at a right angle. Spreading rates are application loss factor surface, skill and tech surface irregularities, climatic conditions, ar Excessive reduction performance. Do not mix previously Do not apply the mate In order to avoid block or before periods of e Keep pressure pot at I weight of material. Blo but continue agitation Application above reco	bare areas, and pinholes. calculated on volume solid due to surface profile, roug inque of the applicator, meth material lost during mixing dexcessive film build. of material can affect film catalyzed material with ner erial beyond recommended age of spray equipment, cle xtended downtime with Xylu evel of applicator to avoid b bow back coating in fluid line a at pressure pot. ommended film thickness man r severe acid or alkali exposi-	If necessary, cross spray s and do not include an ghness or porosity of the lod of application, various g, spillage, overthinning, build, appearance, and w. pot life. an equipment before use ene, R2K4. locking of fluid line due to at intermittent shutdowns, ay result in mud cracking. sures.
					SAFETY PRECAUTIO	NS
CLEAN UP INSTRUCTIONS			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			
Clean spills and sp tools immediately a turer's safety recon	atters immediatel after use with Xyle amendations whe	y with Xylene ene, R2K4. Fo n using any so	, R2K4. Clean ollow manufac-	instructions.		
	Disclaim			The Sherwin-Williams C	WARRANTY ompany warrants our products	to be free of manufacturing
The information and re based upon tests cond Such information and re pertain to the product of Williams representative Application Bulletin.	commendations set four ucted by or on behalf commendations set four offered at the time of p	orth in this Produ of The Sherwin-V rth herein are sub oublication. Con	Villiams Company. oject to change and sult your Sherwin-	defects in accord with Liability for products pro- fective product or the re- as determined by Sherw OF ANY KIND IS MADE STATUTORY, BY OPEI	applicable Sherwin-Williams of oven defective, if any, is limited fund of the purchase price pa in-Williams. NO OTHER WAR E BY SHERWIN-WILLIAMS, E RATION OF LAW OR OTHER ITNESS FOR A PARTICULAR	quality control procedures. d to replacement of the de- id for the defective product RANTY OR GUARANTEE XPRESSED OR IMPLIED, WISE, INCLUDING MER-

Protective

2

ZINC PLATE™