OVER EATEN	Armor Heav Duty F	y WA	TER BA	ARM SED EPOX		L [®] 8100 COATING
Sherwin Williams.	Coati			Part A Part A Part B	B70-8100 SERI B70-8160 SERI B70V8100	
Revised: Novemb	per 4, 2019	Pro	DUCT IN	FORMATION	1	8.18
P	RODUCT D	ESCRIPTION	/	Recommended Uses		
ARMORSEAL 8100 is the next generation in water based epoxy floor coatings; a two-component polyamine epoxy with excellent chemical and abrasion resistance that is breathable. It is designed for use in commercial, industrial and residential floor applications. A LEED v4.1 compliant material that offers improved performance while maintaining ease of application properties common to water based materials. This versatile material is self-priming over concrete, can be used as a stand alone coating or as a receiver coat for paint chip floors. Available in a gloss or satin finish • Breathable • <50 g/L • Color Retention, resists yellowing • Resists disbondment due to Moisture Vapor Transmission (MVT) • Ease of application				and commercial environments, such as: • Warehouse Floors • Garages • Residential		
PRODUCT CHARACTERISTICS			Substrate: Concrete			
Finish: Gloss or Satin Color: Clear*, Tile Red, Deck Gray, Haze Gray and a wide range of tinted colors using CCE colorants Safety Colors Gloss only * For Clear, use the Ultra Deep Base (for more detail, see Application Bul-			Surface Preparation: Clean, dry, sound System Tested: 2 cts. ArmorSeal 8100 @ 2.0 - 4.0 mils (50-100 microns) dft			
letin Performance Tij Volume Solids:		2%, mixed, may	vary by color	Test Name	Test Method	Results
Weight Solids: VOC (EPA Method 2 Mix Ratio:	24): <50 g/	2%, mixed, may L; 0.42 lb/gal, mix volume		Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	150 mg loss
Recomm	nended Spre	ading Rate pe	er coat:	Adhesion Finish	ASTM D4541 Satin	550 psi concrete 15-25 units@ 85°
		Minimum	Maximum		Gloss	90+ units @ 60°
Wet mils (microns Dry mils (microns)	5.0 (125)2.0 (50)	12.0 (300) 5.0 (125)	Flexibility	ASTM D 522	180° bend 1/8" mandrel
NOTE: Brush or r	~Coverage sq ft/gal (m ² /L) 130 (3.3) 320 (8.1) NOTE: Brush or roll to cove base or vertical surfaces may require		Impact Resistance	ASTM D2794	Direct 100 in.lb. Indirect 80 in.lb.	
multiple coats to achieve maximum film thickness and uniformity of appearance.			Pencil Hardness	ASTM D3363	Н	
To touch:	edule @ 7.0 @ 50°F/10°C 1 hour	mils wet (175 @ 77°F/25°C 50% RH 45 minutes	microns): @ 120°F/49°C 25 minutes	Slip Resistance, Floors	ASTM C1028**, .60 Minimum Static Coefficient of Fric- tion	Passes wet and dry, with and without SharkGrip Additive
To recoat*: minimum:	8 hours	6 hours	3 hours	WVP Perms (US)	Grains(hr ft2 in Hg)	Gloss – 2.0 Satin – 5.0
maximum: To Cure Foot Traffic:	72 hours 7 days	72 hours 7 days 18 hours	72 hours 7 days	Hot Tire Pick-up	ITM @ 140°F (60°C)	Passes
Heavy Traffic: Drying time is term *If recoating after Pot Life: Sweat-in-Time: Shelf Life:	72 hours abrade 8 hours None Part A: 2 Part B: 3 Store inc	48 hours <i>ity, and film thickr</i> a surface first. 5½ hours <u>None</u> 24months, unoper 36 months loors at 40°F (4.5°	3½ hours None ned C) to 100°F (38°C)	**Test method withdrav	· · /	lacement
Flash Point: >230°F (110°C), Seta Flash, mixed Reducer/Clean Up: Water						

COVER EARTH A A A A A A A A A A A A A A A A A A A	ArmorSeal Heavy Duty Floor		ER BA		ORSEAL [®] YFLOORCO		
Sherwin Williams.	Coatings			Part A Part A Part B	B70-8100 Series B70-8160 Series B70V8100	Gloss Satin Hardener	
Revised: Novemb	per 4, 2019	Pro	DUCT II	FORMATION	1	8.18	
Re	COMMENDED SY	STEMS		Surf	ACE PREPARATION	1	
		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			
Concrete Floors, 1 ct. ArmorSeal &	3100	2.0-4.0	(50-100)	ensure adequate adhesion.		ign material to	
(reduced with one pint of water p 2 cts. ArmorSeal 8100		gallon) 2.0-4.0	(50-100)	Refer to product Application Bulletin for detailed surface pre- tion information.			
Concrete Floors, 1 ct. Spot prime	previously painted:			Do not use hydrocarbon solvents for cleaning.			
ArmorSeal 8	3100	2.0-4.0	(50-100)	Minimum recommended surface preparation: Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI		or ICRI	
2 cts. ArmorSeal 8	3100	2.0-4.0	(50-100)			No. 310.2R, CSP1-3	
Wood Floors: 2 cts. ArmorSeal 8100		2.0-4.0	(50-100)	Wood Floors:	Clean, smooth, dust fi	ee	
			. ,		Tinting		
The systems listed other systems may	above are representati y be appropriate.	ve of the p	roduct's use,		colorants at 100% strengt nechanical shaker is requi		
				Applie	CATION CONDITION	S	
				Temperature: Relative humidity:	50°F (10°C) minimum maximum (air, surface, and mate At least 5°F (2.8°C) al 85% maximum	erial)	
				Refer to product Applicati	on Bulletin for detailed applic	ation information.	
				Orde	ring Information	V	
				Packaging:	1 gallon (3.78L) and 5 containers	gallon (18.9L)	
				Weight:	9.9 ± 0.2 lb/gal ; 1.12 mixed, may vary by co		
				SAFE	TY PRECAUTIONS		
				Refer to the SDS sheet befo			
					d instructions are subject to cha ms representative for additiona		
					WARRANTY		
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.			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,				

CVER EARTH EARTH	ArmorSeal Heavy WATE Duty Floor	R BA		ORSEAL Y FLOOR C	
SHERWIN WILLIAMS.	Coatings		Part A Part A Part B	B70-8100 SERIES B70-8160 SERIES B70V8100	Gloss Satin Hardener
Revised: Novemb	Der 4, 2019 APPLI		N BULLETIN		8.18
Su	RFACE PREPARATIONS		Appli	CATION CONDITIO	NS
	lean, dry, and in sound condition. Re dirt, loose rust, and other foreign ma adhesion.		Temperature:	50°F (10°C) minimu maximum (air, surface, and ma At least 5°F (2.8°C)	aterial)
Do not use hydro	carbon solvents for cleaning.		Relative humidity:	85% maximum	
Concrete and Mas			Appli	CATION EQUIPME	NT
For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). 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. Primer required. Follow the standard methods listed below when applicable: ASTM D4258 Standard Practice for Cleaning Concrete. ASTM D4258 Standard Practice for Abrading Concrete. ASTM D4259 Standard Practice for Etching Concrete. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete. SSPC-SP 13/Nace 6 Surface Preparation of Concrete. ICRI No. 310.2R Concrete Surface Preparation.			existing VOC regulation mental and application		
			Reducer/Clean Up	Water Clear/Ultradeep tint requires reduction o	
				Nylon/Polyester or N as needed up to 10 ⁰ primer coat only	
			Roller Cover	1/4"-3/8" woven with core	n solvent resistant
Wood Surface must be clean, dry and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. Sand to remove any loose or deteriorated surface wood and to ob- tain a proper surface profile. Prime with recommended primer and paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.			Reduction	as needed up to 10 ^o primer coat only	
			If specific application equipment is not listed above, equivalent equipment may be substituted.		
Smooth, hard or glu abrading the surfa- week before testing attacks the previou necessary. If paint	d Surfaces on, clean the surface of all foreign ossy coatings and surfaces should be ce. Apply a test area, allowing paint t g adhesion. If adhesion is poor, or if thi s finish, removal of the previous coatir is peeling or badly weathered, clean s and treat as a new surface as above.	dulled by o dry one is product ng may be			
White Metal Near White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning Pit	Surface Preparation Standards ndition of ISO 8501-1 frace BS7079:A1 SSPC N Sa 2.5 SP 10 2 Sa 2 SP 6 3 Sa 1 SP 7 4 Sted C S12 SP 2 - ted & Rusted D S12 SP 2 - sted C S13 SP 3 - ted & Rusted D S13 SP 3 -				

ArmorSeal Heavy WATER BA Duty Floor	ARMORSEAL® 8100 SED EPOXY FLOOR COATING		
SHERWIN WILLIAMS. Coatings	Part A B70-8100 Series Gloss Part A B70-8160 Series Satin Part B B70V8100 Hardener		
Revised: November 4, 2019 APPLICATIO	N BULLETIN 8.18		
Application Procedures	Performance Tips		
Surface preparation must be completed as indicated. Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine four parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. If reducer is used, add only after both components have been thoroughly mixed. Apply paint at the recommended film thickness and spreading rate as indicated below:	or curing. 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 mixing, spillage, overthinning, climatic conditions, and excessive film build.		
Recommended Spreading Rate per coat:MinimumMaximumWet mils (microns)5.0 (125)12.0 (300)Dry mils (microns)2.0 (50)5.0 (125)~Coverage sq ft/gal (m²/L)130 (3.3)320 (8.1)NOTE: Brush or roll to cove base or vertical surfaces may require multiple coats to achieve maximum film thickness and uniformity of appearance.Drying Schedule @ 7.0 mils wet (175 microns): @ 50°F/10°C@ 77°F/25°C S0% RH@ 120°F/49°C 50% RHTo touch:1 hour1 hour30 minutes To recoat*: maximum:72 hours72 hoursTo Cure7 days7 days7 days7 daysFoot Traffic:36 hours18 hours8 hours Drying time is temperature, humidity, and film thickness dependent.*If recoating after 72 hours, abrade surface first.Pot Life: 8 hours8 hours3½ hoursPot Life:8 hours5½ hours3½ hoursApplication of coating above maximum or below minimum recommended spreading rate may adversely affect coating	 For Clear applications, use the Ultra Deep Base, reduce 5% with potable water. When first mixed and applied, the material is white, but will dry Clear. DO NOT exceed 10 mils WFT. Avoid puddling material at edges or in depressions as it may not dry clear. Excessive reduction of material can affect film build, appearance, and adhesion. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new. Always test adhesion by applying a test patch of 2-3 square feet. Allow to dry one week before checking adhesion. Do not use hydrocarbon solvents for cleaning. Anti-slip additives, such as H&C SharkGrip® or Armorseal Hi-Wear Additive, may be added to the coating to provide some slip resistance. This product should not be used in place of a non-skid finish. Refer to Product Information sheet for additional performance characteristics and properties. 		
performance.	SAFETY PRECAUTIONS		
CLEAN UP INSTRUCTIONS Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. DISCLAIMER	Refer to the SDS 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.		
The information and recommendations set forth in this Product Data Sheet are	WARRANTY		
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