COVER THE EARTH	ArmorSeal Heavy Duty Floor				<b>0 HB/RC</b> ING EPOXY
SHERWIN WILLIAMS.	Coatings		Part A Part B Part C	B58Q B60Q B58DQ550	Series Hardeners High Build Additive
Revised 2/12	Р	RODUCT	NFORMATION		8.26
	PRODUCT DESCRIPTION			Recommended	Uses
<b>EPOXY</b> is a three-ca a high gloss, seam wearing and durab	0 HB/RC 100% SOLIDS SI component, heavy duty floor sys less, hygienic surface that is a le. Should be used for appli- than 30.0 mils (750 microns) of	tem that provides a extremely hard cations requiring	Recommended for • Clean rooms • Manufacturing ar • Aisleways • Suitable for use i	Laborato     Aircraft h	ries angers
	t ant lication properties		650 HB/RC are esp	ecially suited for are ring a very high build	750 microns) of ArmorSeal eas with mildly spalled con- d coating because of heavy
PR Finish:	ODUCT CHARACTERISTIC	S	Perf	ORMANCE CHAR	ACTERISTICS
Color:	Haze Gray, Deck Gra Sandstone, Tile Red, of colors possible	y, White, and a wide range	<ul><li>Abrasion resistar</li><li>Excellent adhesion</li></ul>		
Volume Solids:	98% ± 2%, mixed		Chemical resistation	nt	
Weight Solids:	98% ± 2%, mixed		Impact resistant		
VOC (EPA Method					
Mix Ratio:	3 components, preme		Self - leveling pro	operties	
Recomm	ended Spreading Rate pe	_	Provides a seam	less, ultra-high build	d, durable coating
	30.0         (750)           /gal (m²/L)         15         (0.36)           ge sq ft/gal         1600         (30)		<ul><li>Solvent resistant</li><li>Dry heat resistant</li></ul>	ce: 200°F (93°C)	
Drying Sche	<u>dule @ 30.0 mils wet (750</u>	microns):			
To touch: To recoat: minimum: maximum: Foot traffic: Heavy service: To cure: If recoating	@ 72°F/22°C 50% RH 6-12 hours 8 hours 72 hours 24 hours 72 hours 5 days 9 after 72 hours, surface must be a berature, humidity, and film thick 45 minutes None required	abraded. ness dependent. ppened t 40°F (4.5°C) to PMCC, mixed			
Clean Up:	Reducer #54, F	R7K54			



Heavy

Coatings

## **ARMORSEAL® 650 HB/RC 100% SOLIDS SELF-LEVELING EPOXY**

**PRODUCT INFORMATION** 

Part A	B58Q	Series
Part B	B60Q	HARDENERS
PART C	B58DQ550	HIGH BUILD ADDITIVE

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.

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#### **Recommended Systems** SURFACE PREPARATION Dry Film Thickness / ct. Surface must be clean, dry, and in sound condition. Remove all Mils (Microns) oil, dust, grease, dirt, loose rust, and other foreign material to **Concrete:** ensure adequate adhesion. 1 ct. ArmorSeal 33 Primer 8.0 (200)1 ct. ArmorSeal 650HB/RC 30.0-100.0 (750 - 2500)Refer to product Technical Bulletin for detailed surface preparation Steel: information. (100-125)Recoatable Epoxy Primer 4.0-5.0 1 ct. ArmorSeal 650HB/RC 30.0-100.0 (750-2500) Minimum recommended surface preparation: 1 ct. SSPC-SP6/NACE 3 SSPC-SP13/NACE 6 or \*Iron & Steel: \*Concrete & Masonry: ICRI No. 310.2, CSP1-3 The systems listed above are representative of the product's use, \*Primer required other systems may be appropriate. Surface Preparation Standards Swedish Std. SIS055900 Condition of Surface ISO 8501-1 BS7079:A1 SSPC NACE Sa 3 Sa 2.5 Sa 2 Sa 1 C St 2 D St 2 White Metal Near White Metal Commercial Blast SP 5 SP 10 SP 6 SP 7 SP 2 SP 2 Sa 3 Sa 2.5 Sa 2 2 3 4 Ša Brush-Off Blast St 2 St 2 St 3 Rusted Pitted & Rusted Hand Tool Cleaning D Power Tool Cleaning Rusted St 3 SP 3 itted & Ruste TINTING Tinting acceptable for the tint bases only. Use Maxitoner Colorants only at 50% tint strength. Five minutes minimum mixing on a mechanical shaker is required for complete making of color. Application Conditions 55°F (13°C) minimum, 95°F (35°C) Temperature: maximum (air, surface, and material) At least 10°F (5.6°C) above dew point Relative humidity: 85% maximum Refer to product Application Bulletin for detailed application information. **O**RDERING INFORMATION gallon (3.78L) and 5 gallon (18.9L) Packaging: base units plus appropriate amount of High Build Additive (8 lb/gal required) 6 ğallon (22.6L) mixing containers available 12.7 ± 0.2 lb/gal ; 1.5 Kg/L, mixed Weight: 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 DISCLAIMER The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. The information and recommendations set forth in this Product Data Sheet are Liability for products proven defective, if any, is limited to replacement of the defec-

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.

COVER	ArmorSeal Heavy Duty Floor				50 HB/RC ING EPOXY Series
Sherwin Williams.	Coatings		PART B PART C	B60Q B58DQ550	Hardeners High Build Additive
Revised 2/12		<b>A</b> PPLICATIO	N BULLETIN		8.26
S	SURFACE PREPARATIO	DNS	AP	PLICATION CON	IDITIONS
oil, dust, grease, o ensure adequate a Concrete and Mas	sonry	r foreign material to	Temperature:	maximum (air, surface	) minimum, 95°F (35°C) e, and material) °F (5.6°C) above dew
For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2, 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.			Relative humidity:	85% maxim	num
			Ар	PLICATION EQ	UIPMENT
			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		
ASTM D4258 Stan ASTM D4259 Stan ASTM D4260 Stan ASTM F1869 Stand Emission Rate of C SSPC-SP 13/Nace	6 Surface Preparation o	g Concrete. g Concrete. Concrete. suring Moisture Vapor f Concrete.	existing environment Reducer Clean Up Roller	tal and application Not recomm Reducer #5	nended 54, R7K54
ICRI No. 310.2 Concrete Surface Preparation. Iron & Steel (atmospheric service)		Cover			
Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.			Trowel	acceptable	
			Spike Roller	·	t listed above, equivalent
Smooth, hard or g by abrading the su one week before te abrasion of the surf be necessary. Rete	on, clean the surface of lossy coatings and surfa urface. Apply a test area, esting adhesion. If adhes ace and/or removal of the est surface for adhesion. clean surface to sound su	ces should be dulled allowing paint to dry ion is poor, additional previous coating may If paint is peeling or	equipment may be s		
Co Su White Metal Near White Metal Commercial Blast Brush-Off Blast Hand Tool Cleaning Ru:		dish Std.			



Application Bulletin.

Heavy

Coatings

# **ARMORSEAL® 650 HB/RC 100% SOLIDS SELF-LEVELING EPOXY**

Part A	B58Q	Series
Part B	<b>B60Q</b>	HARDENERS
Part C	B58DQ550	HIGH BUILD ADDITIVE

### **APPLICATION BULLETIN**

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#### **APPLICATION PROCEDURES Performance Tips** Surface preparation must be completed as indicated. Spreading rates are calculated on volume solids and do not include Use electric or air mixer (approximately 250-500 rpm) with metal mixing an application loss factor due to surface profile, roughness or poblade (Jiffy Model ES or equal). Premix both components for 1-2 minutes rosity of the surface, skill and technique of the applicator, method then pour hardener contents into slack-filled resin can. Mix 2-3 minutes Next, pour entire epoxy mixture into 6-10 gallon (22.7-37.8L) mixing con-tainer. Continue mixing while slowly adding High Build Additive. Mix for approximately one minute or until additive is evenly dispersed. of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build. With material freshly stirred, pour substantial portion on floor in a bead 18" to 24" wide. Using 3/16" V-notched rubber squeegee, pull through material until bead almost runs out. Pour new material onto end of bead to maintain No reduction of material is recommended as it can affect film build, wet edge. By holding the squeegee perpendicular to floor and applying very little pressure, 50-55 mils (1250-1275 microns) wft can be applied. appearance, and adhesion. By tilting the squeegee towards the applicator and applying increasing pressure, thickness can be progressively decreased to a minimum of 30 mils (750 microns) wft. Check film thickness frequently. Backroll material immediately with a 3/8" soft woven roller to facilitate leveling. After 20-30 minutes setup time, material should be rolled with a spiked roller to remove Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new. any entrapped air, Do not spike roll after 45 minutes. Apply paint at the recommended film thickness and spreading rate as When recoating ArmorSeal 650 HB/RC it must be done no less indicated below: than 8 hours and no more than 72 hours after applying the first coat. If this "window" has passed, the surface of the cured Ar-Recommended Spreading Rate per coat: morSeal 650 HB/RC must be abraded to ensure the adhesion of Minimum Maximum subsequent coats. Wet mils (microns) 30.0 (750) 100.0 (2500) When coating previously painted surfaces, always apply a test Dry mils (microns) 30.0 (750) 100.0 (2500) patch and examine for lifting and proper intercoat adhesion. If lift-~Coverage sq ft/gal (m<sup>2</sup>/L) 15 (0.36) 50 (1.2) ing occurs, remove the old coating or apply an appropriate barrier Theoretical coverage sq ft/gal 1600 (39) (m<sup>2</sup>/L) @ 1 mil / 25 microns dft coat. NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance. Drying Schedule @ 30.0 mils wet (750 microns): @ 72°F/22°C 50% RH To touch: 6-12 hours To recoat: minimum: 8 hours maximum: 72 hours Foot traffic: 24 hours Refer to Product Information sheet for additional performance Heavy service: 72 hours characteristics and properties. To cure: 5 davs If recoating after 72 hours, surface must be abraded. **SAFETY PRECAUTIONS** Drying time is temperature, humidity, and film thickness dependent. Pot Life: Refer to the MSDS sheet before use. 45 minutes Sweat-in-Time: None required Published technical data and instructions are subject to change without notice. Application of coating above maximum or below minimum recommended Contact your Sherwin-Williams representative for additional technical data and spreading rate may adversely affect coating performance. instructions. CLEAN UP INSTRUCTIONS WARRANTY Clean spills and spatters immediately with Reducer #54, R7K54. Clean tools immediately after use with Reducer #54, R7K54. Follow manufacturer's safety recommendations when using any solvent. 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 de-DISCLAIMER fective 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, 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 Building STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MER-

CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.