

ARMORSEAL[®] EXPRESSPATCH[™]



**Industrial
&
Marine
Coatings**

**PART A
PART B
PART C**

**B58AQ5
B58VQ5
B58-Q5**

**BASE
HARDENER
AGGREGATE (COLOR)**

PRODUCT INFORMATION

Revised 8/05

PRODUCT DESCRIPTION	RECOMMENDED USES
<p>ARMORSEAL EXPRESSPATCH is a 100% solids, low odor, waterbased urethane slurry floor patch kit, to be applied at 3/16" minimum thickness (smooth) and broadcast to yield a 1/4" finished system (textured). ExpressPatch can be applied with a flat trowel. It is designed to repair and protect concrete and masonry substrates from thermal shock, impact, corrosion, mild chemical attack and abrasion.</p> <ul style="list-style-type: none"> • Does not support microbial growth • Fast return to service - foot traffic in 6 hours • Low temperature cure • Can be applied to damp concrete 	<ul style="list-style-type: none"> • For service temperatures from -50° to 225°F • Can be used as a replacement for epoxy repair kits • For use on horizontal surfaces • Can be applied in deep patches up to 3" thick, as needed • Appropriate for use in various service areas, including <ul style="list-style-type: none"> • Food processing • Commercial kitchens • Food and beverage plants • Meat and poultry processing plants • General industrial • Restrooms and concessions • Acceptable for use in USDA inspected facilities
PRODUCT CHARACTERISTICS	PERFORMANCE CHARACTERISTICS
<p>Finish: Satin</p> <p>Color: Dark Gray, Red and Black</p> <p>Volume Solids: 100%, mixed</p> <p>VOC (calculated): <2.0 g/l; .01 lb/gal, mixed</p> <p>Mix Ratio: 3 components, pre-measured approximately 1/2 gal. per kit</p> <p>Recommended Spreading Rate: Coverage: Approximately 6-7 sq ft per kit @ 3/16" thickness</p> <p>Drying Schedule: @ 72°F, 50% RH To touch: 3 - 4 hours Foot traffic: 6 - 8 hours To recoat/sand: 4 - 5 hours Full service: 10 - 12 hours Full cure: 48 hours Drying time is temperature, humidity, and film thickness dependent.</p> <p>Pot Life: 10 - 15 minutes, @ 72°F, 50% RH (2 minutes in mass)</p> <p>Shelf Life: 6 months, unopened Store indoors at 40°F to 100°F.</p> <p>Flash Point: >200°F, mixed</p> <p>Reduction: Not recommended</p> <p>Clean Up: Xylene, R2K4</p>	<p>System Tested: (unless otherwise indicated) Substrate: Concrete Surface Preparation: SSPC-SP13 1 ct. ArmorSeal ExpressPatch @ 3/16" - 1/4"</p> <p>Compressive Strength: Method: ASTM C 579 Result: 7,000 psi</p> <p>Flexural Strength: Method: ASTM C580 Result: 3,700 psi</p> <p>Hardness: Method: ASTM Shore D 2240 Result: 75</p> <p>Impact Strength: Method: ASTM D2794 Result: 16 ft/lb without cracking, delamination or chipping</p> <p>Service Temperature: Result: -50°F to 225°F</p> <p>Tensile Strength: Method: ASTM C307 Result: 250-300 psi</p>



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PRODUCT INFORMATION

RECOMMENDED SYSTEMS	SURFACE PREPARATION																				
<p>ArmorSeal ExpressPatch is generally applied at a 3/16" to 1/4" thickness. It can be applied up to 3" thick for deep patches. Designed for use on horizontal surfaces.</p> <p>Concrete: 1 ct. Apply ArmorSeal ExpressPatch at a 3/16" to 1/4" thickness on horizontal surfaces</p> <p>The systems listed above are representative of the product's use. Other systems may be appropriate.</p>	<p>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.</p> <p>Refer to product Application Bulletin for detailed surface preparation information.</p> <p>Minimum recommended surface preparation: Concrete & Masonry: SSPC-SP13/NACE 6/ or ICRI 03732, CSP 1-3</p> <tr> <th colspan="2" data-bbox="792 823 1481 865">TINTING</th> </tr> <tr> <td colspan="2" data-bbox="792 865 1481 949">Do not tint.</td> </tr> <tr> <th colspan="2" data-bbox="792 949 1481 991">APPLICATION CONDITIONS</th> </tr> <tr> <td colspan="2" data-bbox="792 991 1481 1222"> <p>Temperature: 45°F minimum, 80°F maximum (air, surface, and material) At least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p> <p>Refer to product Application Bulletin for detailed application information.</p> </td> </tr> <tr> <th colspan="2" data-bbox="792 1222 1481 1264">ORDERING INFORMATION</th> </tr> <tr> <td colspan="2" data-bbox="792 1264 1481 1507"> <p>Packaging: Approximately 1/2 gallon mixed Part A: ~ 1 quart Part B: ~ 0.7 quarts Part C: 12 lbs.</p> <p>Weight per kit: 20 lbs.</p> </td> </tr> <tr> <th colspan="2" data-bbox="792 1507 1481 1549">SAFETY PRECAUTIONS</th> </tr> <tr> <td colspan="2" data-bbox="792 1549 1481 1732"> <p>Refer to the MSDS sheet before use.</p> <p>Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.</p> </td> </tr> <tr> <th data-bbox="100 1732 792 1774">DISCLAIMER</th> <th data-bbox="792 1732 1481 1774">WARRANTY</th> </tr> <tr> <td data-bbox="100 1774 792 1999"> <p>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.</p> </td> <td data-bbox="792 1774 1481 1999"> <p>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 defective 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 MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.</p> </td> </tr>	TINTING		Do not tint.		APPLICATION CONDITIONS		<p>Temperature: 45°F minimum, 80°F maximum (air, surface, and material) At least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p> <p>Refer to product Application Bulletin for detailed application information.</p>		ORDERING INFORMATION		<p>Packaging: Approximately 1/2 gallon mixed Part A: ~ 1 quart Part B: ~ 0.7 quarts Part C: 12 lbs.</p> <p>Weight per kit: 20 lbs.</p>		SAFETY PRECAUTIONS		<p>Refer to the MSDS sheet before use.</p> <p>Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.</p>		DISCLAIMER	WARRANTY	<p>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.</p>	<p>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 defective 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 MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.</p>
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APPLICATION BULLETIN

Revised 8/05

SURFACE PREPARATION	APPLICATION CONDITIONS		
<p>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.</p> <p>Poured Concrete New For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI 03732, CSP 1-3. Surfaces must 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 8.0 and 11.0. Allow to dry thoroughly prior to coating</p> <p>Old Surface preparation is done in much the same manner as new concrete, however, if the concrete is contaminated with oils, grease, chemicals, 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.</p> <p>Always follow the standard methods listed below: ASTM D4258 Standard Practice for Cleaning Concrete. ASTM D4259 Standard Practice for Abrading Concrete. ASTM D4260 Standard Practice for Etching Concrete. ASTM D4263 Plastic Sheet Method for Checking Moisture in Concrete. SSPC-SP13/NACE 6 Surface Preparation of Concrete ICRI 03732 Concrete Surface Preparation</p>	<p>Temperature: 45°F minimum, 85°F maximum (air, surface, and material) At least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p> <tr style="background-color: #f2f2f2;"> <th colspan="2" style="text-align: center;">APPLICATION EQUIPMENT</th> </tr> <p>Reduction Not recommended</p> <p>Clean Up Xylene, R2K4</p> <p>Apply Material by Using:</p> <ul style="list-style-type: none"> • Flat Trowel • Loop roller for leveling <p>Brush Not recommended</p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	APPLICATION EQUIPMENT	
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APPLICATION PROCEDURES	PERFORMANCE TIPS
<p>Surface preparation must be completed as indicated.</p> <p>Mixing Instructions: After surface has been prepared, mix Part A (base) using a low speed drill and Jiffy mixer. Mix for one minute and until uniform, exercising caution not to whip air into the material. Combine Part A (base) and Part B (hardener) and mix with low speed drill and Jiffy mixer for 30 seconds to 1 minute, until uniform. Slowly pour 12 lbs. Part C aggregate and blend materials for a maximum of 2-3 minutes, until uniform and no lumps remain. Immediately pour mixed material onto the substrate and pull out using a flat trowel. Back roll with a loop roller to assist leveling. The last few strokes should always be in the same direction. Allow material to self-level (2-5 minutes). Broadcast sand (not included) to desired texture (optional).</p> <p>Recommended Spreading Rate: Coverage: Approximately 6-7 sq ft per kit @ 3/16" thickness</p> <p>Drying Schedule: @ 72°F, 50% RH To touch: 3 - 4 hours Foot traffic: 6 - 8 hours To recoat/sand: 4 - 5 hours Full service: 10 - 12 hours Full cure: 48 hours Drying time is temperature, humidity, and film thickness dependent.</p> <p>Pot Life: 10 - 15 minutes, @ 72°F, 50% RH (2 minutes in mass)</p> <p>Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.</p>	<p>Spreading rates are calculated on theoretical thickness 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.</p> <p>Do not apply the material beyond recommended pot life.</p> <p>Can be applied to damp concrete.</p> <p>Do not mix partial kits.</p> <p>Do not mix previously catalyzed material with new.</p> <p>Refer to Product Information sheet for additional performance characteristics and properties.</p>
CLEAN UP INSTRUCTIONS	SAFETY PRECAUTIONS
<p>Clean spills and spatters immediately with Xylene, R2K4. Clean tools immediately after use with Xylene, R2K4. Follow manufacturer's safety recommendations when using any solvent.</p>	<p>Refer to the MSDS sheet before use.</p> <p>Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.</p>
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