ARMORSEAL® CRACK FILLER

**PRODUCT INFORMATION**

**Product Description**

ARMORSEAL CRACK FILLER is a two-component, fast set epoxy paste developed specifically for sealing, smoothing, and fairing applications on concrete, metals, plastics (FRP), wood, or masonry. The smooth consistency and excellent non-sagging properties allow the product to be used on vertical and horizontal surfaces. Resistance to salt water, oils, fuels and many other chemicals is excellent and the compound is solvent-free and nontoxic. The material must be sanded prior to finish coating.

**Product Characteristics**

- **Finish:** Flat
- **Color:** Gray
- **Volume Solids:** 100%, mixed
- **VOC (calculated):** <50 g/L; 0.41 lb/gal, mixed
- **Mix Ratio:** 1:1 by volume

**Recommended Spreading Rate:**
Coverage: Approximately 462 cubic inches/2 gallon unit, (7571 cm³/2 gallon unit) 3/4" maximum thickness on verticals and 2" maximum thickness on horizontals.

**Drying Schedule:**
- To touch: 1 hour
- Recoat/Sand: 2 hours minimum
- Full cure: 24 hours
  - Drying time is temperature, humidity, and film thickness dependent. Immediate recoat possible with 100% solids coatings; consult your Sherwin-Williams representative.
- **Pot Life:** 10-15 minutes
- **Sweat-in-Time:** None required

**Shelf Life:** 18 months, unopened
- Store indoors at 40°F (4.5°C) to 100°F (38°C)

**Flash Point:** >200°F (93°C), mixed

**Reduction:** Not recommended

**Clean Up:** Reducer #54, R7K54

**Recommended Uses**

- Concrete/Masonry: Can be used to fill and smooth hairline cracks, bug holes, anchor-bolt holes, gouges, or divots when movement of substrate is expected to be minimal.
- Steel/Metals: Can be used to smooth welds, pits, rough surfaces, irregularities, and seams.

**Performance Characteristics**

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM D695</td>
<td>8,900 psi</td>
</tr>
<tr>
<td>Dry Heat Resistance</td>
<td>ASTM D2485</td>
<td>150°F (66°C), intermittent 200°F (93°C)</td>
</tr>
<tr>
<td>Hardness</td>
<td>ASTM Shore D 4-2240</td>
<td>65-70 after 8 hours; 80-85 after 24 hours</td>
</tr>
<tr>
<td>Izod Impact Strength</td>
<td>ASTM D256</td>
<td>5.3 in. lb.</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D638</td>
<td>2,600 psi</td>
</tr>
</tbody>
</table>

**Substrate**: Steel

**Surface Preparation**: SSPC-SP10/NACE 2

**System Tested**: 1 ct. ArmorSeal Crack Filler @ 40.0 mils (1000 microns) dft
*unless otherwise noted below

**www.sherwin-williams.com/protective**

continued on back
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 adequate adhesion.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:
- Iron & Steel: SSPC-SP6/NACE 3, 2 mil (50 micron) profile
- Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3
- Wood, interior: Clean, smooth, dust free

Surface Preparation Standards

<table>
<thead>
<tr>
<th>Condition of Surface</th>
<th>ISO 8501-1</th>
<th>SSPC</th>
<th>NACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Metal</td>
<td>Sa 3</td>
<td>SP 5</td>
<td>1</td>
</tr>
<tr>
<td>Near White Metal</td>
<td>Sa 2.5</td>
<td>SP 10</td>
<td>2</td>
</tr>
<tr>
<td>Commercial Blast</td>
<td>Sa 4</td>
<td>SP 6</td>
<td>4</td>
</tr>
<tr>
<td>Brush-Off Blast</td>
<td>Sa 1</td>
<td>SP 10</td>
<td>-</td>
</tr>
<tr>
<td>Hand Tool Cleaning</td>
<td>Rusted</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pitted &amp; Rusted</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Power Tool Cleaning</td>
<td>Rusted</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pitted &amp; Rusted</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Tinting

Do not tint.

Application Conditions

Temperature: 55°F (13°C) minimum, 95°F (35°C) maximum
Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

Ordering Information

Packaging:
- Kit (KB58AQ2): 1 gallon of Part A and 1 gallon of Part B in a carton - 2 gallons (7.56L) total
- Part A (B58AQ2): 1 gallon (3.78L) container
- Part B (B60VQ2): 1 gallon (3.78L) container

Weight: 12.5 ± 0.2 lb/gal ; 1.5 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

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.
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.

Concrete and Masonry
For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days at 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 ArmorSeal® Crack Filler. Primer required.

Follow the standard methods listed below when applicable:
ASTM D4258 Standard Practice for Cleaning Concrete.
ASTM D4259 Standard Practice for Abrading Concrete.
ASTM D4260 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.

Iron & Steel (atmospheric service)
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). Remove all weld spatter and round all sharp edges by grinding. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

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 obtain 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 or burned, sanded and spot primed before full coat of primer is applied.

Surface Preparation Standards

<table>
<thead>
<tr>
<th>Condition of Surface</th>
<th>ISO SS01-1</th>
<th>BS709/A1</th>
<th>SSPC</th>
<th>NACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Metal</td>
<td>Sa 3</td>
<td>SP 5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Near White Metal</td>
<td>Sa 2.5</td>
<td>SP 10</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Commercial Blast</td>
<td>Sa 2</td>
<td>SP 6</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Brush-Off Blast</td>
<td>Sa 1</td>
<td>SP 7</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Hand Tool Cleaning Rusted</td>
<td>CSt 2</td>
<td>SP 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hand Tool Cleaning Pitted</td>
<td>DSt 2</td>
<td>SP 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Tool Cleaning Rusted</td>
<td>CSt 3</td>
<td>SP 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Tool Cleaning Pitted</td>
<td>DSt 3</td>
<td>SP 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Surface preparation must be completed as indicated.

**Mixing Instructions:**
After surface has been prepared, mix equal quantities by volume of 1 part resin and 1 part hardener on small palate or mortar board with putty knife. Thoroughly mix equal quantities together until a uniform streak-free gray color is achieved.

Apply material using putty knife or spatula, removing all excess material. As material begins to harden, (approximately 10 - 15 minutes @ 72°F/22°C), an exceptionally smooth finish can be obtained by hand using a small amount of water sprinkled onto the surface (use rubber gloves). If desired, the product may be sanded after 2 hours @ 72°F (22°C).

Apply paint at the recommended film thickness and spreading rate as indicated below:

**Recommended Spreading Rate:**
Coverage: Approximately 462 cubic inches/2 gallon unit, (7571 cm$^3$/2 gallon unit) 3/4” maximum thickness on verticals and 2” maximum thickness on horizontals.

**Drying Schedule:**

<table>
<thead>
<tr>
<th>@ 72°F/22°C</th>
<th>50% RH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>To touch:</strong></td>
<td>1 hour</td>
</tr>
<tr>
<td><strong>Recoat/Sand:</strong></td>
<td>2 hours minimum</td>
</tr>
<tr>
<td><strong>Full cure:</strong></td>
<td>24 hours</td>
</tr>
</tbody>
</table>

*Drying time is temperature, humidity, and film thickness dependent. Immediate recoat possible with 100% solids coatings; consult your Sherwin-Williams representative.*

**Pot Life:**
10-15 minutes

**Sweat-in-Time:**
None required

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

**Clean Up Instructions**
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.

**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.

**Safety Precautions**
Refer to the MSDS sheet before use.

**Warranty**
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 MERCHANDABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

www.sherwin-williams.com/protective