



ArmorSeal
Heavy
Duty Floor
Coatings

ARMORSEAL®
FLEXIBLE JOINT SEALANT

Kit
 PART A
 PART B

KB58AQ1
 B58AQ1
 B60VQ1

GRAY
 HARDENER

Revised April 11, 2018

PRODUCT INFORMATION

8.02

PRODUCT DESCRIPTION

ARMORSEAL FLEXIBLE JOINT SEALANT is a 2 component polymer hybrid containing both urethane and epoxy resins in order to provide a resilient filler for horizontal concrete contraction and construction joints, as well as random shrinkage cracks. This chemistry allows excellent flexural strength and elongation while maintaining impressive tensile strength. It has good adhesive strength and flexibility over a wide temperature range.

PRODUCT CHARACTERISTICS

Finish: Low sheen
Color: Gray
Volume Solids: 100%, mixed
VOC (EPA Method 24): <100 g/L; 0.83 lb/gal, mixed
Mix Ratio: 1:1 by volume

Recommended Spreading Rate per coat:

Approximately 231 cu. in./gal, 77 lineal feet per gallon at 1/2" x 1/2"

Drying Schedule:

@ 72°F/22°C
 50% RH

To touch: 4-6 hours
Moderate Service: 24 hours
Full cure: 5 days
Pot Life: 45 minutes
Sweat-in-Time: None required

Shelf Life: 36 months, unopened
 Store indoors at 40°F (4.5°C) to 100°F (38°C)
Flash Point: >200°F (93°C), PMCC, mixed
Reducer: Not recommended
Clean Up: Reducer #54, R7K54
Application Temperature: Above 55°F (13°C)
Relative Humidity: 90% maximum

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.

RECOMMENDED USES

- A filler and sealer for narrow concrete contraction and construction joints
- Helps prevent damage to the concrete joint edges
- Meets USDA requirement for incidental contact

PERFORMANCE CHARACTERISTICS

Viscosity:

Part A: 350 to 550 Poise
 Part B: 200 to 350 Poise

Service Temperature:

Result: -40°F (-40°C) to 200°F (93°C)

Tensile Elongation:

Result: 80% @ Breaking Point @ 72°F (22°C)

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.

Insert a backer rod into the joint leaving approximately 1" (2.54 cm) from the top of the backer rod to the top of the joint. To ensure adequate joint elasticity, the depth of the material should not exceed twice the width. Using tape, mask off the edges of the joint to prevent caulk from getting onto the surrounding surface.

Surface Preparation Standards

| Condition of Surface | ISO 8501-1 BS7079:A1 | Swedish Std. SIS055900 | SSPC | NACE |
|----------------------|----------------------|------------------------|--------|------|
| White Metal | Sa 3 | Sa 3 | SP 5 | 1 |
| Near White Metal | Sa 2.5 | Sa 2.5 | SP 10 | 2 |
| Commercial Blast | Sa 2 | Sa 2 | SP 6 | 3 |
| Brush-Off Blast | Sa 1 | Sa 1 | SP 7 | 4 |
| Hand Tool Cleaning | C St 2 | C St 2 | SP 2 | - |
| Pitted & Rusted | D St 2 | D St 2 | SP 2 | - |
| Rusted | C St 3 | C St 3 | SP 3 | - |
| Power Tool Cleaning | Pitted & Rusted | D St 3 | D St 3 | SP 3 |

APPLICATION CONDITIONS

The concrete surface should be at least 55°F (13°C) minimum during application. Pre-mix components separately. Power mix equal parts of Component A and Component B together until streak-free, using a metal mixing blade (Jiffy Model HS or equal). Pour mixture slowly into the joint allowing the material to settle. A second application may be necessary if material settles too much. Scrape joint level with floor using putty knife and remove tape. Allow 24 hours before opening to traffic.

ORDERING INFORMATION

Packaging:

Kit (KB58AQ1): 1 gallon of Part A and 1 gallon of Part B in a carton - 2 gallons (7.56L) total
 Part A (B58AQ1): 1 gallon (3.78L) container
 Part B (B60VQ1): 1 gallon (3.78L) container

Weight:

10.1 ± 0.2 lb ; 1.2 Kg/L, mixed



ArmorSeal
Heavy
Duty Floor
Coatings

ARMORSEAL® FLEXIBLE JOINT SEALANT

Kit
 PART A
 PART B

KB58AQ1
 B58AQ1
 B60VQ1

GRAY
 HARDENER

Revised April 11, 2018

PRODUCT INFORMATION

8.02

ESTIMATION GUIDE

LINEAL FEET PER GALLON

EACH GALLON YIELDS APPROXIMATELY 231 CUBIC INCHES

| | | WIDTH OF JOINT | | | | | | |
|----------------|------|----------------|-----|------|------|------|-----|----|
| | | 1/4" | 3/8 | 1/2" | 5/8" | 3/4" | 7/8 | 1" |
| DEPTH OF JOINT | 1/4" | 308 | 205 | 154 | 123 | 102 | 88 | 77 |
| | 3/8" | | 136 | 102 | 82 | 68 | 58 | 51 |
| | 1/2" | | | 77 | 61 | 51 | 44 | 38 |
| | 5/8" | | | | 49 | 41 | 35 | 30 |
| | 3/4" | | | | | 34 | 29 | 25 |
| | 7/8" | | | | | | 25 | 22 |
| | 1" | | | | | | | 19 |

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.

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.