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## SAFE-SEAL® 3405

High Performance, Cold-Applied, One-Component,  
Horizontal Crack and Joint Sealer

### DESCRIPTION

SAFE-SEAL 3405 is a high performance, polymer-modified, asphalt emulsion horizontal joint and crack sealant. It is a one-component, self-leveling material that can easily be poured into openings 1/8" up to 1" wide. After full cure, the product will remain flexible at cold temperatures and will not flow at high temperatures.

### USES

SAFE-SEAL 3405 is ideal for small-, medium-, or large-scale sealing projects on parking lots, highways, street maintenance, driveways, and airport aprons and runways. SAFE-SEAL 3405 should be used in any application where superior performance is a necessity or where a hot-applied product is either too dangerous or impractical. It offers excellent bonding properties, high resiliency, and resistance to weathering. It provides a soft, flexible sealer for either concrete or asphalt pavement repairs. This material remains pliable and will not track in warm weather or become brittle and crack in cold weather.

### FEATURES/BENEFITS

- No hot kettle required/ Safe to use ... no danger of burns.
- No expensive equipment needed/No equipment maintenance, breakdowns, fires, etc.
- Allows smaller, non-specialized crews/Reduced installation costs.
- Can be applied to damp cracks/ Saves time ... no need for joints to fully dry.
- Pours directly from container/Easy to apply.
- VOC compliant/Environmentally safe.
- User-friendly/ Easy cleanup.

### \*ADDITIONAL COLD-APPLIED PRODUCTS FROM W. R. MEADOWS:

- SOF-SEAL® - two-component, cold-applied, polymer horizontal joint sealant
- GARDOX® - two-component, cold-applied, modified coal tar urethane for concrete joints
- KOOL-ROD™ - backer rod
- #158 - one-component, cold- and pressure-applied rubberized asphalt sealant
- DECK-O-SEAL® - two-component, elastomeric, polysulfide-based joint sealant

\*W. R. MEADOWS also provides the industry's most extensive line of hot-applied, asphalt-based sealants to meet a variety of performance requirements.

### LEED INFORMATION

May help contribute to LEED credits:

- EQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants
- MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

*CONTINUED ON REVERSE SIDE...*

**TECHNICAL DATA**

**UNCURED:**

Solids, %	72
Viscosity, CPS	6000

**CURED:**

Penetration, mm/10	70
Resilience, %	63
Softening Point, F	180
Wt. per Gallon lb./(kg)	8.3 (3.74)

**Surface and Joint Preparation ...** The joints and cracks to be sealed must be clean. Dust, dirt, and laitance should be removed prior to application. Proper routing should be slightly larger than existing crack/joint to ensure proper adhesion to sidewalls.

**Asphalt Pavement and Maintenance**

**Sealing ...** For ideal sealing with maximum effectiveness, it is suggested that cracks or joints should be routed out to provide a sealant reservoir 1/2" (12.7 mm) wide with a minimum depth of 1/2" (12.7 mm). This provides for a 1:1 width-to-depth ratio. To control and maintain the suggested joint depth and sealant usage, KOOL-ROD backer rod may be installed in the joint opening.

**New Concrete Pavement Sealing ...** Designated joint width and depth is determined by the appropriate highway or pavement authority. Typical joint configuration should be 3/8" (9.54 mm) wide with a minimum 1/2" (12.7 mm) depth for an approximate 1:1 width-to-depth ratio. KOOL-ROD backer rod may be installed in the joint opening to control depth and sealant usage.

**Application Method ...** SAFE-SEAL 3405 should be applied into the crack/joint, slightly overfilling. SAFE-SEAL 3405 may be poured from the container or a commercial sealing pot equipped with a narrow pouring spout and shut-off valve. Once applied, a follow-up should be done with a soft, rubber, U-shaped squeegee to form a wipe zone of approximately 3-4" (76.2 – 101.6 mm) wide along the crack/joint and flush with the highway or pavement surface.

**ADDITIONAL INFORMATION**

Color: Black (Cured)  
 Packaging: 1 Gallon (3.79 Liter) Unit  
 5 Gallon (18.93 Liter) Pail  
 Coverage: A joint 1/2"x 1/2" (12.7 mm x 12.7 mm) covers approx. 75 lineal ft./gal.  
 Cleanup: Use water before product cures. Once material is cured, use a solvent-based cleaner.  
 Shelf Life (Typical): 6 months, when properly stored in unopened container.

**PRECAUTIONS**

**KEEP FROM FREEZING.** Storage temperature should not exceed 90° F (32° C). Do not apply SAFE-SEAL 3405 if rainfall is forecast or imminent within 24 hours. Do not apply SAFE-SEAL 3405 when air, material, and surface temperatures are expected to fall below 50° F (10° C) within eight hours of completed application. SAFE-SEAL 3405 is not recommended for sealing cracks or joints in tennis courts. Refer to Material Safety Data Sheet for complete health and safety information.

**For most recent data sheet, further LEED information, and MSDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).**



**LIMITED WARRANTY**

"W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order." Read complete warranty. Copy furnished upon request.

**Disclaimer**

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.