



CSI Code: 02760

NO. 235

JULY 2004
(Supersedes May 2003)

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. At 75° F and 50% humidity, a typical joint of 1/2" x 1/2" becomes tack-free in two hours or less. After fully cured, the product will remain flexible at cold temperatures and will not flow at high temperatures. SAFE-SEAL 3405 is the only asphalt-based, one-part, cold applied sealer to meet the demanding performance characteristics of ASTM D 3405 and ASTM D 6690, Types I, II and III.

FEATURES AND BENEFITS

- Meets ASTM D 3405/ High performance characteristics
- No hot kettle required/ Safe to use...no danger of burns
- No expensive equipment needed/ No equipment maintenance, breakdowns, fires, etc.
- Use smaller, non-specialized crews/ Reduced installation costs
- Can be applied to damp cracks/ Saves time... no need for joints to fully dry
- Develops a "skin" quickly/ Will take traffic within two hours
- Pours directly from container/ Easy to apply
- VOC compliant/ Environmentally safe
- User-friendly/ Easy to clean-up

SPECIFICATIONS (MEETS OR EXCEEDS PERFORMANCE CHARACTERISTICS)

ASTM D 3405
ASTM D 1190
ASTM D 6690, Types I, II and III
AASHTO M 301
AASHTO M 173
Fed. Spec. SS-S-1401C
Fed. Spec. SS-S-164

USES

SAFE-SEAL 3405 is ideal for small, medium or large scale sealing projects on parking lots, highways, street maintenance, driveways, 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. SAFE-SEAL 3405 may be used wherever the measurable ASTM D 3405 specification is required. It provides a soft, flexible sealer for either concrete or asphalt pavement repairs. This material remains pliable, will not track in warm weather or become brittle and crack in cold weather.

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

- *SOF-SEAL*®- two-component, cold applied, polymer horizontal joint sealer
- *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 sealer
- *POURTHANE*®-two component, cold applied, urethane, self-leveling 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 sealers to meet a variety of performance requirements.

CONTINUED ON REVERSE SIDE...

TECHNICAL DATA:**UNCURED:**

Solids, %	72
Viscosity, CPS	6000

CURED:

Penetration, mm/10	70
Resilience, %	63
Flow @ 140° F, cm.	0.1
Bond Test, 50%	Pass
Extension @ -20°F (-29°C)	
Asphalt Compatibility	Pass
Wt. Per gallon lbs./ (Kg.)	8.3 lbs. (3.74 Kg.)

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" (12.7mm) wide with a minimum depth of 1/2" (12.7mm). 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" (9.54mm) wide with a minimum 1/2" (12.7mm) 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 inches (76.2 –101.6mm) wide along the crack/joint and flush with the highway or pavement surface.

ADDITIONAL INFORMATION

Color: Black (cured)
 Packaging: 1-gallon (3.79-Liter) container
 5-gallon (18.93 Liter) pail
 Coverage: A joint 1/2"x1/2" (12.7mm x 12.7mm)
 Covers approx. 75 lineal ft./gal.
 Clean up: Use water before product cures, once material is cured, use a solvent-based cleaner.
 Shelf life: 6 months, when properly stored in un-opened container.
 Tack-Free
 Time: 2 hours or less (a typical joint of 1/2" x 1/2" at 75°F and 50% humidity)

*MECHANICALLY MIX BEFORE USING.

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 8 hours of completed application. NOTE: Not recommended for sealing cracks or joints in tennis courts.

HEALTH HAZARDS

Refer to Material Safety Data Sheet for complete health and safety information.

FOR THE MOST CURRENT PRODUCT INFORMATION, VISIT OUR WEBSITE:
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

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