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SEALTIGHT® SAFE-SEAL™ 3405
HIGH PERFORMANCE, COLD-APPLIED, ONE COMPONENT,
HORIZONTAL CRACK AND JOINT SEALER

DESCRIPTION

SEALTIGHT 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. This rapid curing formulation 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 asphaltic-based, one-part, cold applied sealer to meet the demanding performance characteristics of ASTM D 3405.

FEATURES/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
AASHTO M 301
AASHTO M 173
Fed. Spec. SS-S-1401C
Fed. Spec. SS-S-164

USE

SAFE-SEAL 3405 is ideal for small, medium or large scale sealing projects on parking lots, highways, street maintenance, driveways, tennis courts, 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...will remain pliable, will not become brittle and crack in cold weather, or track in warm weather.

***COMPLIMENTARY COLD-APPLIED MEADOWS PRODUCTS**

- *SOF-SEAL*- two-component, cold applied, polymer horizontal joint sealer
- *GARDOX*-two-component, cold applied, modified coal tar urethane for concrete joints
- *SEALTIGHT KOOL-ROD* backer rod
- *SEALTIGHT #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

PHYSICAL PROPERTIES:

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

SURFACE PREPARATION...The joints and cracks to be sealed must be clean. Dust, dirt and laitance should be removed prior to application.

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

Asphaltic 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. For joints 1" (25.4mm) wide, the suggested depth is 1/2" (12.7mm) minimum.

Proper routing should be slightly larger than existing crack/joint to ensure proper adhesion to sidewalls.

SAFE-SEAL 3405 should be applied into the crack/joint from bottom up, slightly overfilling. SAFE-SEAL 3405 may be poured from 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. To control and maintain the suggested joint depth and sealant usage, SEALTIGHT KOOL-ROD Backer Rod may be installed in the joint opening.

ADDITIONAL INFORMATION

- Color: Black (cured)
- Packaging: 1-gallon (3.79-Liter) container
5-gallon (18.93 Liter) pail
- Coverage: A joint 1/2" x 1/2" (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.

* STIR BEFORE USING.

LIMITATIONS

KEEP FROM FREEZING. Storage temperature should not exceed 90° F (32° C). Apply material when pavement surface is at least 40° F (4° C).

PRECAUTIONS

Refer to Material Safety Data Sheet for complete Health and Safety Information.



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.