PRODUCT DATA

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W. R. MEADOWS
SEALTIGHT

JULY 2014
(Supersedes February 2005)

#164

Hot-Applied, Polymeric Sealant

DESCRIPTION

#164 is a time-proven, hot-applied polymeric sealant which combines a tenacious adhesive power with high resiliency. #164 provides a positive seal during expansion and contraction of the joint and it will not lose bond in cold weather or flow in hot weather.

USES

#164 is ideal for the large-scale sealing of transverse and longitudinal joints in Portland cement concrete pavements and joints in bridges, airport runways, taxiways, etc. It is also used for the maintenance sealing of cracks and joints in concrete and asphalt concrete pavements, parking lots, etc.

FEATURES/BENEFITS

- Provides an economical solution for large-scale, hot-applied joint and crack sealing applications.
- Combines tenacious bonding power with high resiliency.
- Maintains a positive seal during expansion and contraction.
- Will not lose bond in cold weather or flow in hot weather.
- Works equally well in Portland cement or asphalt concrete pavements.

PACKAGING

55 lb. (24.95 kg) cartons. Each carton contains two 27.5 lb. (12.48 kg) buns in polypropylene liners. 50 lb. (22.7 kg) pails also available by special order.

COVERAGE

69.8 lb./ft.^{3} (1,120 kg/m^3). A 1/2" x 1/2" (12.7 mm x 12.7 mm) joint will require 12.2 lb./100 linear feet (18.2 kg/100 m).

SPECIFICATIONS

- AASHTO M 173
- ASTM D 1190
- ASTM D 6690, Type I
- FAA Spec Item P 605
- Federal Specification SS-S-164
- Various State Dept. of Transportation Specs.

APPLICATION

Melting … #164 must be melted in a double-boiler, oil-jacketed melter-applicator equipped with an agitator and separate temperature controls for both the oil bath and melting vat. Add small quantities of #164 with plastic liner to the melter and, while under continuous agitation, add additional material as needed. Material may be added to the melter as the sealant is withdrawn during the sealing operation.

CONTROL MATERIAL TEMPERATURE AT 370º F (188º C). NEVER EXCEED 390º F (199º C). RECOMMENDED POURING TEMPERATURE IS 370º F (188º C).

Surface and Joint Preparation … The joints and cracks to be sealed must be clean and dry. 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.

New Concrete Pavement Sealing … Typical joint configuration should be 3/8" – 1.5" wide with a 1/2" – 3/4" depth for an approximate 1:1 - 2:1 width-to-depth ratio. Designated joint width and depth is determined by the appropriate highway or pavement authority. CERA-ROD™ heat-resistant backer rod from W. R. MEADOWS may be installed in the joint opening to control depth and sealant usage.

CONTINUED ON REVERSE SIDE…

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Asphalt Pavement and Maintenance Sealing … For ideal sealing with maximum effectiveness, it is suggested that cracks or joints be routed out to provide a sealant reservoir 1/2" to a maximum 1 ½" wide with a minimum depth being 1/2". An approximate 1:1 - 2:1 width-to-depth ratio should be achieved. To control and maintain the suggested joint depth and sealant usage, CERA-ROD heat-resistant backer rod may be installed in the joint opening.

Application Method… Seal with #164 when the air and pavement temperatures are 40º F (4º C) or higher. #164 should be applied into the crack/joint, slightly overfilling. 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. At the end of each day's sealing operation, all material remaining in the lines should be drawn off. Small quantities of unused material remaining in the melter may be re-melted and used the following day.

PRECAUTIONS

DO NOT DILUTE. #164 is not resistant to jet fuels and is not recommended for swimming pools or joints subjected to hydrostatic pressure. #164 must not be heated above the recommended 390º F (199º C) or the rubber polymers will decompose, resulting in unsatisfactory performance. Refer to Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.1: Low-Emitting Materials: Adhesives and Sealants
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and SDS, visit 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.

