

FlexAble Bridge Joint SYSTEM

(SMALL MOVEMENT JOINT)

Effective 2/5/2002

DESCRIPTION Deery FlexAble Bridge Joint System is a unique blend of modified asphaltic binders and select aggregates, pre-measured and combined to create an all-in-one package asphaltic bridge joint system for installation not less than 2 inch (50 mm) in thickness and not greater than 20 inch (500 mm) in width.

USES Deery FlexAble Bridge Joint System is for use in the construction, maintenance and repair of small movement (one-inch (25 mm) expansion and one inch (25 mm) contraction) expansion joints in asphalt and concrete pavements associated with bridges. The installed system is highly resistant to water intrusion and to a wide range of salts, bases and organic materials.

PHYSICAL PROPERTIES

MASTIC BINDER

Penetration @ 0°F (-18°C)
 Penetration @ 77°F (25°C)
 Penetration @ 140°F (60°C)
 Flow @ 140°F (60°C)
 Extension/Elongation
 Softening Point (R&B)
 Low Temperature Flexibility
 Asphalt Compatibility
 Safe Heating Temperature
 Recommended Application Temperature Range

TEST METHOD

ASTM D-5329
 ASTM D-5329
 ASTM D-5329
 ASTM D-5329
 DAC
 ASTM D-36
 DAC
 ASTM D-5329
 ASTM D-5167

RECOMMENDED SPECIFICATION

10 dmm Minimum
 70 dmm Maximum
 85 dmm Maximum
 3 mm Maximum
 1000%
 180°F (82°C) Minimum
 Pass @ 0°F (-18°C)
 Complete
 400°F (204°C) Maximum***
 390-400° F (200-204°C)**

Properties and conditions may change without notice.

***Temperature of product measured at pavement surface. Use Maximum Application Temperature in cool weather*

****Prolonged heating at or above Safe Heating Temperature may severely damage product.*

MINERAL AGGREGATE

Sieve Size 37.5 mm
 Sieve Size 25 mm
 Sieve Size 12.5 mm

90% Passing Minimum
 80% Passing Minimum
 50% Passing Minimum

TEST, TEST METHODS AND CONDITIONS, PROCEDURES, AND SPECIFICATIONS PER DEERY AMERICAN CORPORATION GUIDELINES.

SURFACE PREPARATION Deery FlexAble Bridge Joint System shall be installed in joints that have been properly constructed and/or repaired to produce vertical sidewalls and level bottom. All joint surfaces shall be grit blasted, dry and free from dust, dirt, grease, loose materials and any other matter that will inhibit the bonding of the bridge joint system. Deery surface conditioner shall be applied to the cleaned surfaces with a light application, avoiding puddles, and allowed to dry prior to installing hot Stress Absorbing Mastic Adhesive.

INSTALLATION Deery FlexAble Bridge Joint System shall be heated in a thermostatically controlled mastic mixer that utilizes oil as a heat transfer medium and has a full sweep horizontal agitator capable of gently lifting the material from the bottom of the reservoir and turning the material over and over. The agitation shall be capable of mixing and suspending materials, filled with aggregates having a specific gravity as high as 3.0. The molten material shall be poured into the joint in layers and air cooled prior to placing next layer. Final layer shall be leveled with the adjacent pavement surface to form a smooth transition. For enhanced surface texture and optimum skid resistance, approved aggregate chips may be embedded into the finished surface of the hot mastic material.

LIMITATION Do not apply when pavement temperatures are below 40°F (4°C). Do not install in excessive skew, incline, or severe stop and go configurations. The user should confirm suitability of use and compatibility with surface treatments through field-testing prior to application. Heating with dry radiant or direct flame is not recommended.

PACKAGING

Mastic is packaged in cardboard boxes containing a maximum of 40 lb (18.00 kg). Each box contains a quick melt liner, which is dissolved and incorporated into the melted Mastic product. All ingredients shall be accurately pre-proportioned in one container. The container shall be designed to insure that the binder portion shall be kept separate from and not pre-mixed with any other ingredient.

DISTRIBUTED BY:

CANADIAN CONSTRUCTION PRODUCTS*

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Disclaimer Deery American Corporation believes the information contained herein is an accurate description of the product, end use and application when properly applied under normal conditions. Due to the unpredictable nature of site and substrate conditions, it is the buyer's and user's responsibility to determine and thoroughly confirm fitness and compatibility for use and to determine suitability of performance, efficacy and safety. Always refer to most recent version of Product Data Sheet.

LIMITED WARRANTY Deery American Corporation warrants that at the time of shipment, material conforms to Deery's published specification as determined by Deery's in house laboratory. Deery specifically disclaims any other express or implied warranty, including the warranties of merchantability and of fitness for use. Your sole remedy and Deery American Corporation's sole liability for breach of warranty is limited to product replacement or full or partial refund of the original purchase price. All claims must be made within 12 months of the date of original purchase from Deery or within 3 months of date of use, whichever comes first, or said claims are expressly barred. Read complete Limited Warranty; copies will be furnished upon request.