PRODUCT DATA

CSI Code: 07100

W. R. MEADOWS
SEALTIGHT

No. 730

APRIL 2004
(Supersedes February 2003)

VIBRAFLEX®

Bridge Deck Protection Course

DESCRIPTION

VIBRAFLEX Bridge Deck Protection Course is a multi-ply, semi-rigid asphalt panel composed of a mineral-fortified asphalt core between one liner of asphalt-saturated felt and one layer of fiberglass. One liner is weather-coated and has a polyethylene film facing. It may be used in conjunction with most types of built-up dampproofing and waterproofing membranes, including liquid membranes, sheet membranes of EPDM, butyl, neoprene rubber, polyvinylchloride, as well as built-up systems. It is equally adaptable to concrete, wood, steel and prestressed or precast concrete structures that require waterproofing. VIBRAFLEX is ideal for both new and remedial waterproofing applications. The American Railway Engineering & Maintenance of Way Association (A.R.E.M.A.) has approved VIBRAFLEX as a component within the waterproofing system, having passed five million cycles of vibratory load testing.

USES

Developed by W. R. MEADOWS, in conjunction with some of the nation's leading railroads, VIBRAFLEX provides a top-quality protection course that can be dry installed and is fully compatible with butyl sheeting and most sophisticated waterproofing membranes. It will withstand forces that would otherwise injure or deteriorate the membrane waterproofing material and destroy the integrity of the waterproofing system.

SPECIFICATIONS

A.R.E.M.A. Specification; Chapter 29 for Membrane Waterproofing.

ADDITIONAL WATERPROOFING MEMBRANES FROM W. R. MEADOWS CAN BE FOUND BY VISITING OUR WEBSITE: www.wrmeadows.com

FEATURES AND BENEFITS

- Large 4' x 8' (1.22 m x 2.44 m) panels can be installed dry, permitting faster, easier installation and savings of 40% to 60% in total installed costs
- Panel size results in fewer joints (90% less) which eliminates infiltration of fines and resulting damage to the waterproofing membrane
- Flexible dual-layer installation complies with current A.R.E.M.A. Specification in Chapter 29. Eliminates messy, hot-mopping and cold-bitumen adhesives
- The factory-applied, weather-coated surface permits controlled ballast penetration for a secure seating position which locks the panel to the ballast for effective base stabilization
- Proven by more than three decades of outstanding field performance and service

PACKAGING

THICKNESS INCHES (mm)	PANEL SIZE FEET (m)	WEIGHT LBS. (kg) PER 100 SQ. FT.
3/8" (9.53 mm)	4' x 8' (1.22 x 2.44 m)	260 lbs. (117.94 kg)
1/2" (12.7 mm)	4' x 8' (1.22 x 2.44 m)	350 lbs. (158.76 kg)

COLOR: Black

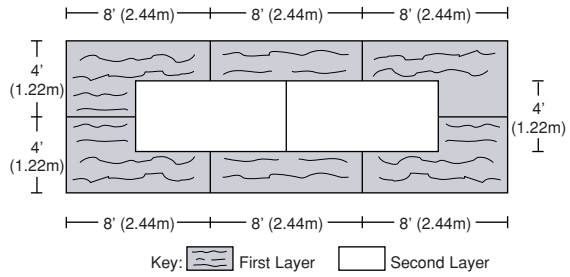
Application Tool

Roofer's Knife

CONTINUED ON REVERSE SIDE...

W.R. MEADOWS, INC.
P.O. Box 338 • HAMPSHIRE, IL 60140-0338
Phone: 847/214-2100 • Fax: 847/683-4544
1-800-342-5976
www.wrmeadows.com

APPLICATION



To reduce the possible ingress and infiltration of fines to a minimum and provide maximum membrane protection, VIBRAFLEX panels are installed in two layers. The first layer is laid dry directly on the waterproofing membrane, with each sheet butted tightly to the next. The second layer is then laid with the butt joints staggered on a half sheet module (as shown in the layout diagram) to avoid coincidence with the joints of the first layer. No adhesives are required when the sheets are applied in this dual-layer technique. The longitudinal dimension of the panels should be parallel to the composite slabs and structural members. VIBRAFLEX is shipped with anti-stick polyethylene sheets between each panel, making handling and installation fast and easy. Panels may be cut to size using a sharp roofer's knife.

DUAL LAYOUT APPLICATION THEORY

This theory, shared by many railroad engineers, states that the longer the ballast is in place, the greater the degree of build up or concentration of fines at the lowest possible level; in this case the point at which the ballast is in direct contact with VIBRAFLEX. Normal gravitational movement, vibration movement of the ballast and liquid flowing in the direction of the membrane concentrates these fines, and gradually, a crust-like surface develops on top of the VIBRAFLEX. Because of the staggered joint system, the fines do not work their way through the full material thickness (since only one half the joint area is present at any one point), so the integrity of the waterproofing membrane is preserved.

PRECAUTIONS

Keep VIBRAFLEX stacked on pallets or on a smooth surface to prevent deformation before application. Do not apply VIBRAFLEX over liquid waterproofing membranes containing volatile solvents until all of the solvent has evaporated.

NOTE: WHERE VIBRAFLEX WILL BE LEFT EXPOSED TO SUNLIGHT, IT MUST BE PROTECTED WITH THE APPLICATION OF ALUMINUM FIBRED ROOF COATING. SPECIFIER AND USER SHALL DETERMINE SUITABILITY OF PRODUCT FOR SPECIFIC APPLICATIONS AND ASSUME ALL RESPONSIBILITIES IN CONNECTION THEREWITH. Read and follow all directions prior to application.

TO VERIFY MOST RECENT TECHNICAL DATA SHEET IS BEING USED, 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

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.