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Qualified Products List of Waterproofing Membrane, November 21, 2012

Maine Department of Transportation

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Maine Department of Transportation's
Qualified Products List of
Waterproofing Membrane

PREQUALIFIED STANDARD SYSTEMS

Protecto Wrap M-140A(R) & M-400A(R) Cold Applied Bridge Deck Waterproofing Membranes

Protecto Wrap Company
Denver, CO 80223
(800) 759-9727

Description of System: Bridge deck waterproofing membranes manufactured from a formulation of premium bituminous resins modified with synthetic resins. This rubberized asphalt is then reinforced with an inert reinforcement to withstand puncture and severe stress. M-140A(R) is 60 mils thick. M-400A(R) is 70 mils thick with a built in white reflective topping. M400A (R) is specially designed for hot-weather bridge deck applications and where heavy equipment will be driven on the deck immediately after membrane installation. The membrane systems shall include the use of Protecto Wrap No. 80 VOC Primer and Protecto Wrap No. JS160H Mastic.

Paving: The hot asphalt overlay should be between 275°F - 300°F. Maximum hot mix asphalt aggregate size should not exceed 3/8" for M-140A(R) and 1/2" for M-400A(R).

Royston Bridge Membrane 10AN Easy Pave

ROYSTON
Pittsburgh, PA 15238
(800) 245-3209

Description of System: ROYSTON BRIDGE MEMBRANE 10AN EASY PAVE is a prefabricated reinforced laminate consisting of an impregnated fiberglass, non-woven, high strength inner mat sandwiched between layers of a polymer modified bitumen. An "open" spun-bonded polyester top mat provides ease of installation, mechanical protection against foot and vehicular traffic and instant adhesion to the compacted pavement interface. A unique 3-inch leading edge guarantees a positive compound-to-compound seal at the overlap. Transverse seals are easily made using a simple propane torch.

The membrane shall include the use of Royston's Roybond 713B low VOC adhesive applied according to the manufacturer's specifications. The membrane should be applied at ambient temperatures of 35°F or higher.

Paving: The hot asphalt overlay should be between 290°F and 340°F at the time of application. A minimum of 1-1/2 inches of compacted asphalt is desirable.

W.R. Meadows MEL-DEK Deck Waterproofing System

W.R. Meadows of PA
York, PA 17404
Local Distributor: A.H. Harris and Sons, Inc., (800) 872-0821

Description of System: Sealtight Mel-Dek is a roll-type waterproofing membrane composed of a nominally 53 mil thick layer of polymeric waterproofing membrane on a shrink-resistant, heavy-duty, 12 mil thick polypropylene woven carrier fabric. The two components are laminated together. Substrate surfaces shall be primed with MEL-PRIME W/B (low VOC) from W.R. Meadows. Primed areas not covered within 24 hours shall be re-primed prior to membrane application.

Paving: The hot asphalt overlay should be between 290°F - 340°F at the time of compaction. A minimum 2 inch compacted overlay thickness is required.

C.I.M. 1000 Waterproofing System

C.I.M. Industries, Inc.
Peterborough, NH 03458
Local Distributor: SEALPRO, Inc., 150 Dow St., Manchester, NH 03101, (800) 732-5776

Description of System: System form continuous elastomeric barriers to water and most chemical solutions. Two liquid components are mixed on the job site just prior to cold application by squeegee, roller or spray and liquid cures quickly to form a seamless asphalt-extended polyurethane membrane. CIM 1000 is unaffected by the wood preservative known as pentachlorophenol. Complies with State of Maine VOC regulations. "CIM 61BG Epoxy Primer" recommended to limit outgassing/bubbling on porous substrates. Consult with Distributor prior to use.

CIM 1000 is the only product in this category that is prequalified for use on timber bridge decks.

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PREQUALIFIED HIGH-PERFORMANCE SYSTEMS

CONTRACTORS PLEASE NOTE: When choosing a "High Performance Membrane" system from this list, it is the responsibility of the Contractor to ensure that the intended pavement overlay depth will provide adequate protection to the waterproofing membrane system selected.

S P R A Y A P P L I E D	<p>Eliminator Stirling Lloyd Products, Inc. Newington, CT 06111 Tel. (860) 666-5008</p> <p>Description: Rapid-curing, cold liquid spray applied MMA resin material, flexible, chemical-resistant, and seamless.</p> <p>Temp: can be applied at ambient temperatures between 23 and 86 degrees Fahrenheit. Other factors such as relative humidity levels may also need to be taken into account. Various grades adapted to extreme application environments are available.</p>
T O R C H A P P L I E D	<p>Sopralene Flam Antirock Soprema Roofing and Waterproofing Inc. <i>Local Distributor: Special Projects Group, Inc., 25 Green Street, Norway, ME 04268, (207) 743-8885</i></p> <p>Description- Waterproofing membrane made up of a non-woven polyester reinforcement and elastomeric bitumen (SBS modified bitumen). The top face is covered with colored granular, the under face is covered with a thermofusible plastic film. Sopralene Flam Antirock is torch applied.</p> <p>Temp: The hot asphalt overlay should be between 290 - 320°F at the time of application.</p>
	<p>Armour Bridge Membrane Waterproofing IKO Sumas, WA 98295 (514) 633-9794 <i>Local Distributor: Venture Construction, 6 Sharon Drive, Bow, NH 03304, (514) 633-9794</i></p> <p>Description: Non-woven polyester reinforcing mat that is coated and impregnated with Modiflex SBS modified bitumen to a thickness of approximately 4.5 mm (177mils).</p> <p>Temp: The hot asphalt overlay should be between 290 - 320°F at the time of application.</p>
	<p>Firestone SBS FR Torch Firestone Building Products Company 250 West 96th Street Indianapolis, IN 46260 800-428-4511 <i>Local Distributor: ABC Supply, 1 Saratoga Ave., Lewiston, ME 04240, (207) 783-2681</i></p> <p>Description: Non-woven polyester reinforcing mat with continuous glass strands impregnated with styrene-butadiene-styrene modified bitumen to a thickness of approximately 4 mm (155 mils).</p> <p>Use a primer meeting ASTM D-41 such as Karnak 108 Asphalt Primer.</p> <p>Temp: The hot asphalt overlay should be between 290 - 320°F at the time of application.</p>

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Acceptable Moisture Meters for Evaluating Bridge Deck Moisture Content	
Manufacturer	Model
Sovereign Chemicals Limited (www.moisturemeters.uk.com)	Soverign Moisture Master
Tramex Ltd. (www.tramexltd.com)	CMEXpert Concrete Moisture Meter (can read to a depth of 1-1/2")
Please note: other brands/models may be acceptable, please check with MaineDOT's Bridge Program.	

Waterproofing membrane manufacturers, suppliers, and installers must review the Department's [Product Acceptance Criteria for Membrane Waterproofing](#) prior to making a product submittal. Please note that any materials on this list with "Conditional Approval" may be used only with written permission of the Department's Bridge Program.

Sales Representatives seeking approval of a new product must submit their product's Material Technical Data Sheet, Instructions for Installation, Material Safety Data Sheet, and a completed [MaineDOT Preliminary Information for Product Evaluation](#) form.

Please refer to State of Maine, Department of Transportation's and Standard Specifications Section 508 for surface preparation and installation requirements. Refer to International Concrete Repair Institute Technical Guideline No. 03732 for guidance on profile requirements of the deck prior to application of the membrane (ranging between CSP1 and CSP5).

PLEASE NOTE: Products often times may have multiple uses. Products appearing on this particular list are expressly pre-qualified for this category of usage only. Do not use these products for any other application unless this product is noted on other lists.

If you are experiencing difficulties reading or printing this page, or any page on the Qualified Products List website, please contact the Product Evaluation Coordinator at 207-624-3268.

Last updated: November 21, 2012