Seaboard Modified EF-400 Emulsion Coating is a latex modified asphalt emulsion and is 100% ASBESTOS-FREE. Used as a protective coating for a variety of applications on asphalt, metal, and masonry surfaces, and foam surfaces.
**Features and Benefits**

Seaboard Asphalt Products Company

**Waterproofing**

**EF-400 SEABOARD MODIFIED EMULSION COATING SPRAYABLE GRADE FORMULA**

Description: Seaboard Modified Emulsion Coating is a latex modified asphalt emulsion and is 100% ASBESTOS-FREE. This material is an asphalt emulsion with colloids and polymers to formulate a waterproof coating.

Uses: Seaboard Modified Emulsion Coating is used as a protective coating for a variety of applications on asphalt, metal, and masonry surfaces, and foam surfaces.

Limitations: DO NOT ALLOW material to freeze. DO NOT THIN material.

Application: Seaboard Modified Emulsion Coating must be applied to a surface that is free from all foreign matter. This material should remain dry until it has cured. This material can be applied by brush, squeegee, or spray equipment and should yield a coverage rate of 25 square feet per gallon.

Storage: Seaboard Modified Emulsion Coating must be kept from freezing.

**COMPOSITION:**

Asphalt ........................................CAS 8052-42-4
Water ...........................................CAS 7732-18-5
Polymers ........................................CAS Mixture
Clay ..............................................CAS 14808-60-7
Pigment Disperser ............................CAS Mixture

This information is to assist customers in determining if this product is suitable for the proposed application, and to satisfy themselves as to the suitability of the contents. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from law or patent implied.

**TECHNICAL DATA SPECIFICATIONS**

- **Color** .................................................................Black
- **Solids (%) (ASTM-C-1250)** ..................64±3% Min by Weight
- **Density** .............................................................8.1 lbs/gal±4 (0.92 G/cm²)
- **Application** ........................................Airless Spray, Brush
- **Cure Time** .........................................................4-24 Hours
- **Elongation** .......................................................800% Minimum
- **Adhesion to Concrete** .................................Excellent
- **Low Temperature Flexibility** ................ Flexible to -10°F
- **Water Vapor Permeance** .........................<0.13 Perms
- **Air Permeability (ASTM-E-2178)** ...........<0.001CFM/ft²
- **Liquid Water Absorption** ..........................<0.5% by weight
- **Resistance to Degradation** ......................Excellent
- **Bacterial Attack** .............................................No Degradation
- **Algal Attack** ..................................................No Degradation
- **Fungal Attack** ................................................No Degradation
- **Resistance to chemical attacks** ..............Very Resistant to acid, salts
- **Re-Emulsification** ........................................None

For more information, please visit Seaboard Asphalt Products Company on the web at www.seaboardsphalt.com
Testing Results

Testing provided by: Momentum Technologies, Inc (full report available by request)

Physical Testing for: Seaboard Asphalt

For Accreditation by: ICC-AC-29
Sample ID: EF 400
Date: December 12, 2005
Sample: Received 9/15/05 Logged in as MTI-050826

Testing Provided: Analysis of a water-based, below grade waterproofing coating for compliance with the performance requirements of ICC AC-29 acceptance criteria.

Testing Dates: November 03, 2005 - December 15, 2005
Sample Selection: Sample was selected at the manufacturing site by an IAS accredited inspection agency in accordance with AC-65 section 3.1
Project ID: TX03L5A

1.0 Hydrostatic Pressure over Cracks

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Sample</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 No Blistering or Re-Emulsification</td>
<td>EF400 meets the requirements of ICC AC-29 (ASTM D2939, Section 15) for resistance to water.</td>
<td></td>
</tr>
</tbody>
</table>

5.0 Remain in place during application

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Sample</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 No Blistering or Re-Emulsification</td>
<td>EF400 meets the requirements of ICC AC-29 (ASTM D2939, Section 15) for the ability to remain in place during application. The final thickness after 24 hours was 0.0186 in.</td>
<td></td>
</tr>
</tbody>
</table>

6.0 Water Vapor Permeance

<table>
<thead>
<tr>
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<th>Sample</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 No Blistering or Re-Emulsification</td>
<td>EF400 meets the requirements of ICC AC-29 (ASTM E96, Water Method) for Water Vapor Permeance.</td>
<td></td>
</tr>
</tbody>
</table>

7.0 Extensibility after heat aging

<table>
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<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 No Blistering or Re-Emulsification</td>
<td>EF400 meets the requirements of ICC AC-29 (ASTM E96, Water Method) for Water Vapor Permeance.</td>
<td></td>
</tr>
</tbody>
</table>

For more information, please visit Seaboard Asphalt Products Company on the web at www.seaboardsphalt.com
Seaboard Asphalt Products Company provides a Limited 10-Year Warranty for EF-400 Modified Emulsion Foundation Coating (the EF-400). EF-400 is a single component asphalt Emulsion foundation waterproofing coating for use throughout the year and throughout the seasons. This Limited Warranty is measured from the date of the completion of the application of the Product.

This Limited Warranty is for all first consumer purchases of a single story foundation: (1) single family detached residences, (2) multi-family units with separate unit ownership, or (3) multi-family residences with single ownership, which has had EF-400 applied in accordance with product directions and specifications, to the vertical walls of the buildings poured concrete, single story foundation. This Limited Warranty covers the specified personal single-story foundation from water leakage and seepage through the areas of single story foundation and may penetrate the wall coated with EF-400; or (12) failure to follow all required techniques that allow for entrance of water above, below or behind the wall coated with EF-400; such as cables, ducts, opening for pipes, etc., (10) use of expansion joints in the design of the structure of the wall; or (11) construction techniques that allow for entrance of water above, below or behind the wall coated with EF-400; such as cables, ducts, opening for pipes, etc., (10) use of expansion joints in the design of the structure of the wall; or (11) construction techniques that allow for entrance of water above, below or behind the wall coated with EF-400; or (12) failure to follow all required installation and application requirements including, but not limited to, failure to allow required cure time before leakage or seepage when a wall coated with EF-400 is in contact with any other surface including, but not limited to, backfill, soil, protection board, or foundation drainage systems. Seaboard is not responsible for leakage or seepage due to the installation of any object with may penetrate the surface.

The Limited Warranty only applies to the installation or application of EF-400 by an authorized contractor approved by Seaboard. THIS LIMITED WARRANTY EXCLUDES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS. NOT OTHER WARRANTIES OTHER THAN THOSE EXPRESSLY PROVIDED FOR HEREIN ARE GIVEN. THIS LIMITED WARRANTY EXCLUDES ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY MADE WITH REGARD TO EF-400. AN EXCHANGE OF THIS LIMITED WARRANTY WILL NOT TAKE RESPONSIBILITY FOR ANY DAMAGES YOU MIGHT SUSTAIN THAT ARE RELATED TO LEAKAGE OR SEEPAGE OF WATER, DAMAGE TO THE STRUCTURE OR ITS CONTENTS; OR ANY PERSONAL INJURY; OR FOR COST OF REPAIR OR REPLACEMENT OF EF-400 OTHER THAN THAT SPECIFICALLY PROVIDED UNDER THIS LIMITED WARRANTY.

REGISTRATION

PLEASE COMPLETE THE FOLLOWING INFORMATION WITHIN (30) DAYS OF THE INSTALLATION OF EF-400 MODIFIED EMULSION FOUNDATION COATING AND RETURN TO SEABOARD ASPHALT PRODUCTS COMPANY AT 3601 FAIRFIELD ROAD, BALTIMORE, MARYLAND 21226.


COMMERCIAL LIMITED 10 YEAR WARRANTY

Seaboard Asphalt Products Company provides a Limited 10-Year Warranty for EF-400 Modified Emulsion Coating (the EF-400). EF-400 is a single component asphalt Emulsion foundation waterproof coating and vapor barrier coating for use throughout the year and throughout the seasons. This Limited Warranty is measured from the date of the completion of the application of the Product. Seaboard will provide replacement of EF-400 or repair the coating in the area in question as the resolution. Seaboard will have the sole option to select the best method for resolution of the leakage or seepage. Seaboard will be responsible for the cost of any replacement product of EF-400 required and, if necessary, pay for labor costs of re-coating the area in question within a reasonable time. The total responsibility of Seaboard during the life of this Limited Warranty shall not exceed the lesser of (1) Two Dollars ($2.00) per square foot of foundation wall covered with EF-400 and requiring repair, or (2) a total of Two Thousand Five Hundred Dollars ($2,500.00).

Seaboard excludes responsibility for removing or replacing any obstacles that affect or may affect repair or contribute to damage. Seaboard is not responsible for removing or replacing interior wall furnishings or fixtures, which may include, but are not limited to, carpeting, furniture, wall hangings, wallboard, etc.

The Limited Warranty excludes water leakage and seepage and wall damage that is in whole or part caused by: (1) cracks or defects greater than 1/16” which may include, but are not limited to, structural defects of the walls, footings or foundations, etc. of the structure irrespective of the cause; (2) damage to the coating membrane from backfilling which may include, but is not limited to, structural defects of the walls, footings or foundations, etc. of the structure irrespective of the cause; (3) excessive hydrostatic resistance at the exterior base of the foundation wall covered with EF-400 and requiring repair, or (2) a total of Two Thousand Five Hundred Dollars ($2,500.00).

Seaboard excludes responsibility for removing or replacing any obstacles in the interior or exterior of the wall which may include, but are not limited to, steps, garage or garage floors, patio or patio floors, decks, etc. Seaboard is not responsible for removing or replacing interior wall furnishings or fixtures, which may include, but are not limited to, carpeting, furniture, wall hangings, wallboard, etc.

Seaboard is not responsible for removing or replacing soil, trees, grass, or other landscaping. Seaboard is not responsible for removing or replacing any obstacles on the interior or exterior of the wall which may include, but are not limited to, steps, garage or garage floors, patio or patio floors, decks, etc. Seaboard is not responsible for removing or replacing interior wall furnishings or fixtures, which may include, but are not limited to, carpeting, furniture, wall hangings, wallboard, etc.

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FOR MORE INFORMATION, PLEASE VISIT SEABOARD ASPHALT PRODUCTS COMPANY ON THE WEB AT WWW.SEABOARDASPHALT.COM