

Seaboard Asphalt Products Company



PRODUCT DATA

DAMPPROOFING

EF-7 CLIPPERSHIP NON-FIBRED EMULSION COATING



SHOP DRAWING/SUBMITTAL REVIEW

☒ APPROVED

☐ APPROVE WITH CHANGES NOTED

☐ REVISE AND RESUBMIT

☐ REJECTED

 BY: MWM

 DATE: 05-15-2019

PRODUCT DESCRIPTION:

Clippership Non-Fibred Emulsion Coating meets ASTM-D-1227-87 Type III specifications. This material is an asphalt emulsion with selected colloids to formulate a dampproofing coating.

BASIC USES:

Clippership Non-Fibred Emulsion Coating is used as protective coating for a variety of applications on asphalt, metal, and masonry surfaces.

LIMITATIONS:

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

APPLICATION:

Clippership Non-Fibred 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 40 square feet per gallon.

STORAGE:

Clippership Non-Fibred Emulsion Coating must be kept from freezing.

COMPOSITION:

Asphalt	CAS 8052-42-4
Water	CAS 7732-18-5
Clay	CAS 1332-58-7

REVIEWED
& ACCEPTED

MAR 26 2019

This information is to assist customers in determining if this product is suitable for the proposed application, and to satisfy themselves as to 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.

OFFICE OF STRUCTURES

3601 FAIRFIELD ROAD
BALTIMORE, MARYLAND 21226
(410) 355-0330

March 30, 2007

Mr. Shawn Campbell
Seaboard Asphalt Products Company
3601 Fairfield Road
Baltimore, MD 21226

Dear Mr. Campbell:

Thank you for submitting your product for approval.

Your product has been tested and the results met all requirements for qualification. EF-7, Asphalt Emulsion Coating (Dampproofing) by Seaboard Asphalt Products Company has been placed on our "List of Qualified Dampproofing Agents."

If you have any questions, please contact Mr. Stuart E. Jones at 410-321-4113 or 1-800-637-1290.

Sincerely,

Stuart E. Jones
Qualified Materials. Rep.
Central Northern Regional Lab

cc: Mr. F. Bennett

410-321-4100/800-637-1290
FAX 410-321-4089

Source Submission Response

Submission Approved

Contract	QA1555180 Replacement of 5 culverts on MD 309 (Starr Road) carrying Branches of Norwich Creek in Queen Anne's County		
Source Submission	Source Submission 38 (Asphaltic Damp proofing or Waterproofing)		
Contract Items	4017	440105	SINGLE REINFORCED CONCRETE BOX CULVERT FOR STRUCTURE NO. 17080X0
	4018	440105	SINGLE REINFORCED CONCRETE BOX CULVERT FOR STRUCTURE NO. 17085X0
	4019	440105	SINGLE REINFORCED CONCRETE BOX CULVERT STRUCTURE NO. 17075X0
Prime Contractor	David A. Bramble, Inc. 705 Morgnec Road Chestertown, MD 21628		
Submitted Date	03/04/2019		
Area Material Engineer	Scott Stomps, Area Material Engineer, D1, D2 & D5 sstomps@sha.state.md.us		
Reviewed By	Jeffrey Foote, Materials Engineer D1 D2 & D5 jfoote@sha.state.md.us		
Reviewed Date	03/05/2019		
Commentary	Submission		
	Response		
Sources of Supply	Seaboard Asphalt Products		Producer Supplier
Quality Assurance	Project Construction Verification of Material at Project Site (MMD) Project Engineer to collect certifications (TC1.03 w/ test data) and submit certifications to OMT for clearance.		
			1 per 1 Delivery to Project

APPROVALS ARE FOR SOURCES OF SUPPLY ONLY
AND DO NOT APPROVE OR IMPLY APPROVAL
OF MATERIALS FROM THESE SOURCES

List of Qualified Emulsion Cold Applied Damp proofing Agents

Producer I.D.

SEALMASTIC
HYDROCODE
KARNAK #220 AF
EF-7

Producer

W.R. MEADOWS
SONNEBORN CHEMICAL CO.
KARNAK CHEMTREX INC.
SEABOARD ASPHALT

Approval Date

12/14/95
12/14/95
12/29/95
03/30/07

(800) 536-0332
FACSIMILE (410) 355-5864

Email: sales@seaboardasphalt.com



Momentum Technologies, Inc.
1507 Boettler Road
Uniontown, Ohio 44685
330/896-5900 Fax 330/896-9943
www.momentumtech.net

Physical Testing for: Seaboard Asphalt
For Accreditation by: MSMT Designation 423
Sample ID: EF-7 Modified Asphalt Coating
Report # EX27B7A

~~FAKED~~
3/27

Final Test Report

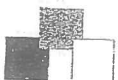
Accreditations



ISO/IEC 17025



Associations



Roof Coating
Manufacturers
Association

Date: March 20, 2007

Sample: Received on 02-26-07 and
logged in as MTi-070127.

Testing Provided: Analysis of a water based
modified asphalt coating for
compliance with the performance
requirements of MSMT
Designation 423 for Cold
Applied Dampproofing and
Waterproofing Materials.

Testing Dates: February 27, 07 – March 20, 07

Project ID: EX27B7A

1.0 Weight per Gallon

By: ASTM D 2939-98 (1998)

Requirement: 9.2 lb/Gallon – 9.5 lb/Gallon

Data: **EF-7 Modified Asphalt Coating** yields 9.23 lb/Gallon when tested in accordance with ASTM D 2939-98 (1998) for Weight per Gallon.

Result: **Pass**

2.0 Residue by Evaporation

By: ASTM D 2939-98 (1998)

Temperature of test: The test was conducted at 105°C.

<u>Sample</u>	<u>Result</u>
1	49.88%
2	49.51%
3	49.71%
Average	49.70%

Requirement: 40% - 60% residue.

Data: **EF-7 Modified Asphalt Coating** averages 49.70% solids when tested in accordance with ASTM D 2939-98 (1998) for Residue by Evaporation.

Result: **Pass**

Physical Testing for: Seaboard Asphalt
For Accreditation by: MSMT Designation 423
Sample ID: EF-7 Modified Asphalt Coating
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3.0 Flammability

By: ASTM D 2939-98 (1998)

Requirement: Sample must show no tendency to flash or ignite.

Data: **EF-7 Modified Asphalt Coating** shows no tendency to flash or ignite when tested in accordance with ASTM D 2939-98 (1998) for Flammability.

Result: Pass

4.0 Ash Content

By: ASTM D 2939-98 (1998)
Conditions: 600°C

<u>Sample</u>	<u>Result</u>
1	33.8%
2	33.8%
Average	33.8%

Requirement: 30%-50% Ash content

Data: **EF-7 Modified Asphalt Coating** averages 33.8% ash when tested in accordance with ASTM D 2939-98 (1998) for Ash Content.

Result: Pass

Physical Testing for: Seaboard Asphalt
For Accreditation by: MSMT Designation 423
Sample ID: EF-7 Modified Asphalt Coating
Report # EX27B7A

5.0 Water Content

By: ASTM D 2939-98 (1998)

<u>Sample</u>	<u>Result</u>
1	50.0%
2	50.0%
Average	50.0%

Requirement: 40%-60% Water content.

Data: **EF-7 Modified Asphalt Coating** yields 50.0% content of water when tested in accordance with ASTM D 2939-98 (1998) for Water Content.

Result: **Pass**

5.1 Firm Set

By: D 2939-98 (1998)
Substrate: Aluminum Panel
Thickness: 60 ± 5 mils wet

Requirement: Firm Set after 24 hours.

Data: **EF-7 Modified Asphalt Coating** attains firm set after 24 hours when tested in accordance with ASTM D 2939-98 (1998) for Firm Set (Drying Time).

Result: **Pass**

6.0 Heat Test

By: ASTM D 2939-98 (1998)

Temperature of test: The test was conducted at 100°C.

Requirement: No blistering, sagging, or slipping.

Data: **EF-7 Modified Asphalt Coating** showed no signs of blistering, sagging, or slipping when tested in accordance with ASTM D 2939-98 (1998) for Heat Test (Resistance to Heat).

Result: **Pass**

7.0 Flexibility at 60°F

By: ASTM D 2939-98 (1998)

<u>Sample</u>	<u>Result</u>
1	Pass
2	Pass
3	Pass
Average	Pass

Requirement: Crack rating #1 (no cracking or loss of adhesion)

Data: **EF-7 Modified Asphalt Coating** yields a rating of 1 (no cracking or loss of adhesion) when tested in accordance with ASTM D 2939-98 (1998) for Flexibility.

Result: **Pass**

8.0 Resistance to Water

By: ASTM D 2939-98 (1998)

<u>Panel</u>	<u>Result</u>
1	No blistering or reemulsification.
2	No blistering or reemulsification.

Requirement: No blistering or eemulsification.

Data: **EF-7 Modified Asphalt Coating** shows no blistering or reemulsification when tested in accordance with ASTM D 2939-98 (1998) for Resistance to Water.

Result: **Pass**

9.0 Direct Flame Test

By: ASTM D 2939-98 (1998)

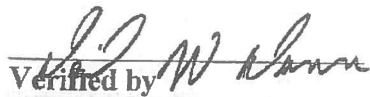
Requirement: Coating shall char in place.

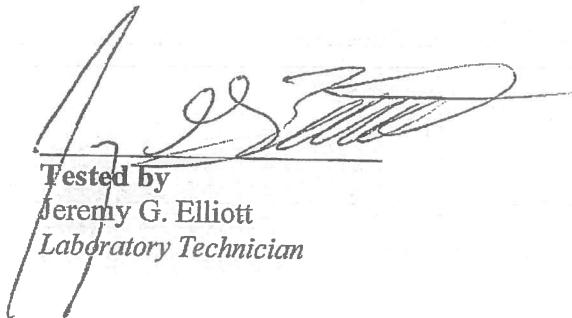
Data: **EF-7 Modified Asphalt Coating** chars in place when in accordance with ASTM D 2939-98 (1998) for Direct Flame Test.

Result: **Pass**

Physical Testing for: Seaboard Asphalt
For Accreditation by: MSMT Designation 423
Sample ID: EF-7 Modified Asphalt Coating
Report # EX27B7A

Conclusion: Momentum Technologies, inc. certifies that EF-7 Modified Asphalt Coating complies to the testing requirements in MSMT Designation 423 for cold applied Dampproofing and Waterproofing Materials.


Verified by
David W. Dunn
Laboratory Manager


Tested by
Jeremy G. Elliott
Laboratory Technician