1. PRODUCT NAME
Vaporstop® 198 Roof Deck Vapor Retarder.

2. MANUFACTURER
Fortifiber Building Systems Group®
419 W. Plumb Lane
Reno, NV 89509
Technical Assistance: Tel: (800) 773-4777
Fax: (775) 333-6411

3. PRODUCT DESCRIPTION
BASIC USE
Vaporstop 198 is used as a vapor retarder on all types of roof decks to protect the insulation from possible condensation damage.
Vaporstop 198 may be used where compliance is required by Factory Mutual.
Vaporstop 198 is intended for use on non-sloping or nominally-sloping built-up roofs, not to exceed a slope of 1-in-12, or mechanically attached metal roofs.

COMPOSITION & MATERIALS
Vaporstop 198 is an asphalt lamination of two layers of high strength kraft. It is edge reinforced with unidirectional glass fibers for additional strength.

SIZES & WEIGHT
Vaporstop 198 is available in rolls 96” (243.8 cm) wide containing 1024 sf (95.1 m²) and 2048 sf (190.3 m²). Vaporstop 198 weighs approximately 3.5 lbs. / 100 sf (1.6 kg / 9.3 m²).

4. TECHNICAL DATA

APPLICABLE STANDARDS
American Society for Testing & Materials (ASTM)
• ASTM D-779 - Water Resistance of Paper, Paperboard and Other Sheet Materials by the Dry Indicator Method
• ASTM D-828 - Tensile Properties of Paper and Paperboard Using Constant-Rate-of-Elongation Apparatus
• ASTM E-96 - Water Vapor Transmission of Materials
• ASTM F-1249 - Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor

Factory Mutual (FM) - Subject to the conditions of approval as a vapor retarder when installed as described in the current edition of the FMRC Approval Guide.

Vaporstop 198 is continuously tested to assure conformance to specification and is monitored by Factory Mutual. The values shown in Table 1 are averages obtained from these tests; Certificates of Compliance are available upon request.

5. INSTALLATION
Vaporstop 198 vapor retarder is intended for use in roof assemblies over metal, wood, and concrete decks.

SUGGESTED APPLICATION
The vapor retarder shall be applied over the clean and dry deck, parallel to the flutes, and secured with

### Table 1 - Typical Physical Properties of Vaporstop 198 Roof Vapor Retarder

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Unit</th>
<th>CAN/CGSB-51.33-M89 Type 2 Criteria</th>
<th>Vaporstop 198 Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Vapor Permeance</td>
<td>ASTM E96, Procedure A</td>
<td>ng/Pa-s-m² (Perms)</td>
<td>Unaged: 45 (0.8) max Aged: 60 (1.0) max</td>
<td>Unaged: 41 (0.7) Aged: 51.7 (0.9)</td>
</tr>
<tr>
<td>Water Resistance</td>
<td>ASTM D-779</td>
<td>hours</td>
<td>No requirement</td>
<td>16</td>
</tr>
<tr>
<td>Dry Tensile – MD CMD</td>
<td>ASTM D-828</td>
<td>N/mm (lb/in)</td>
<td>( \geq 20 ) ( \geq 3.5 ) N/mm</td>
<td>9.5 (54) 5.2 (30)</td>
</tr>
<tr>
<td>Pliability at -10°C</td>
<td>CAN/CGSB-51.33-M89 Type 2 Sec 8.3.1</td>
<td>90° bend over 5mm mandrel</td>
<td>Pass (no cracks)</td>
<td>Pass</td>
</tr>
</tbody>
</table>

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Bakor Vapour Bloc adhesive). All edges shall be lapped 2” and sealed.

Factory Mutual: The vapor retarder shall be applied in a single layer with sides and end laps sealed, insulation placed, and fasteners driven through both components into the deck.

6. AVAILABILITY & COST

AVAILABILITY
Vaporstop 198 is available throughout Canada through Fortifiber distributors.

COST
For current cost information consult the nearest Fortifiber distributor or Fortifiber sales office.

7. WARRANTY

Fortifiber Corporation warrants that its products are in compliance with their published specifications and are free from defects in materials and workmanship for a period of two years from the date of purchase. This warranty does not apply to loss due to abuse. Material found to be defective will be replaced at no charge by Fortifiber, but in no event shall Fortifiber be liable for any other costs or damages, including any labor costs.

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8. MAINTENANCE

None required.

9. TECHNICAL SERVICES

Technical advice and additional information can be obtained by contacting the manufacturer. For further information refer to Factory Mutual's Loss Prevention Data Sheet 1-28 or consult manufacturer.

10. FILING SYSTEMS

- Additional product information is available from manufacturer.

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Call 1-800-773-4777 Nationwide for Sales and Technical Assistance or visit our website at www.fortifiber.com

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