

1. PRODUCT NAME

Vaporstop® 198 Roof Deck Vapor Retarder.

m²). Vaporstop 198 weighs approximately 3.5 lbs. / 100 sf (1.6 kg / 9.3 m²).

2. MANUFACTURER



Protecting Your World from the Elements®

Fortifiber Building Systems Group®
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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.

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 (95.1m²) and 2048 sf (190.3

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

Property	Test Method	Unit	CAN/CGSB-51.33-M89 Type 2 Criteria	Vaporstop198 Typical Value
Water Vapor Permeance	ASTM E96, Procedure A	ng/Pa-s-m ² (Perms)	Unaged: 45 (0.8) max Aged: 60 (1.0) max	Unaged: 41 (0.7) Aged: 51.7 (0.9)
Water Resistance	ASTM D-779	hours	No requirement	16
Dry Tensile – MD CMD	ASTM D-828	N/mm (lb/in)	(≥ 20 lb/in) ≥ 3.5 N/mm	9.5 (54) 5.2 (30)
Pliability at -10°C	CAN/CGSB-51.33-M89 Type 2 Sec 8.3.1	90° bend over 5mm mandrel	Pass (no cracks)	Pass

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.

THIS EXPRESS WARRANTY IS GIVEN IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO

THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Fortifiber's sole obligations under this warranty are as set forth herein. In no event shall Fortifiber be liable for any lost revenue or profits, direct, indirect, special, incidental or consequential damages of any kind.

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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