**CEDAR BREATHER® - ROOF VENTILATION MAT**

**PART 1 GENERAL**

1.01 SUMMARY

1. Section Includes: Roof Ventilation Mat for Wood Shingle & Shake Construction (also Metal Roofing)

*Specifier Note: Revise paragraph below to suit project requirements. If a reader of this section could reasonably expect to find a product or component specified in this section, but it is actually specified elsewhere, then the related section number(s) should be listed in the paragraph below. Add section numbers and titles as necessary and in the absence of related sections, delete paragraph below.*

1. Related Sections
	1. Division 6 Section: Rough Carpentry (06 10 00), Finish Carpentry (06 20 00).
	2. Division 7 Section: Roofing and Siding Panels (07 40 00), Exterior Insulation and Finish Systems (07 24 00), Fiber-Reinforced Cementitious Panels (07 46 46), Weather Barriers (07 25 00), Metal Roof Panels (07 41 10)

*Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this article with Architect’s and Contractor’s duties and responsibilities in Conditions of the Contract and Division 1 Submittal Procedures Section.*

1.02 REFERENCES

*Specifier Note: List standards referenced in this section with all referenced designations and titles. Please note, this article does not require compliance with standards; however, the testing standards used are listed below.*

1. ASTM C 165-00: Standard Test Method for Measuring Compressive Properties of Thermal Insulations
2. ASTM D 6818: Standard Test Method for Ultimate Tensile Properties of Rolled Erosion Control Products
3. ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials

1.03 SUBMITTALS

1. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
2. Product Data: Submit manufacturer’s product data and installation instructions.
3. Samples: Submit selection and verification samples.
4. Closeout Submittals: Submit the following:
	1. Warranty documents specified herein.

*Specifier Note: Article below should include statements of prerequisites, standards, limitations and criteria that establish an overall level of quality for products and workmanship for this section. Coordinate article below with Division 1 Quality Assurance Section.*

1.04 QUALITY ASSURANCE

1. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity.

*Specifier Note: Retain paragraph below if mock-up is required.*

1. Mock-Ups: [Specify requirements for mock-up.].
	1. Subject to acceptance by owner, mock-up may be retained as part of finish work.
	2. If mock-up is not retained, remove and properly dispose of mock-up.

*Specifier Note: Retain paragraph below if pre-installation meeting is required.*

1. Pre-installation Meetings: [Specify requirements for meeting.].

*Specifier Note: Article below should include specific protection and environmental conditions required during storage. Coordinate article below with Division 1 Product Requirements Section.*

1.05 DELIVERY, STORAGE & HANDLING

1. General: Comply with Division 1 Product Requirement Section.
2. Delivery: Deliver materials in manufacturer’s original, unopened, undamaged containers with identification labels intact.
3. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

*Specifier Note: Coordinate article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section. Use this article to require special or extended warranty or bond covering the work of this section.*

1.06 WARRANTY

1. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
2. Manufacturer’s Warranty: Submit, for Owner’s acceptance, manufacturer’s standard warranty document executed by authorized company official. Manufacturer’s warranty is in addition to, and not a limitation of, other rights Owner may have under contract documents.

*Specifier Note: Coordinate subparagraph below with manufacturer’s warranty requirements.*

1. Warranty Period: 30 years (product) or 35 years (system), beginning with date of substantial completion.

**PART 2 PRODUCTS**

*Specifier Note: Retain article below for proprietary method specification. Add product attributes and performance characteristics, material standards and descriptions as applicable. Use of such phrases as “or equal” or “or approved equal” or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining “or equal” products.*

2.01 ROOF VENTILATION MAT

*Specifier Note: Retain or delete paragraph(s) below per project requirements and specifier’s practice.*

1. Manufacturer: Benjamin Obdyke Incorporated.
2. Contact: 400 Babylon Road, Suite A, Horsham, PA 19044; Telephone: (800) 523-5261; Fax: (215) 672-3731; E-mail: techsupport@obdyke.com; website: [www.benjaminobdyke.com](http://www.benjaminobdyke.com).)
3. Proprietary Products/Systems: Rainscreen, including the following:
4. Cedar Breather®:
	* 1. Description: Three-dimensional matrix in roll form.
		2. Color: Black
		3. Material: Nylon
		4. Width: 39.37 inches (1 m).
		5. Length: 61 1/2 feet (18.75 m).
		6. Coverage Area: 200 ft2 (18.58 m2)
		7. Thickness: 0.277 inches (7.04 mm).
		8. Weight: 9.7 lbs/roll
		9. Fire Rating: A

*Specifier Note: Edit Article below to suit project requirements. If substitutions are permitted, edit text below. Add text to refer to Division 1 Project Requirements (Product Substitutions Procedures) Section.*

2.02 PRODUCT SUBSTITUTIONS

1. Substitutions: No substitutions permitted.

*Specifier Note: Specify subordinate or secondary items that aid and assist primary products specified above or are necessary for preparation or installation of those items.*

2.03 ACCESSORIES

1. Provide the following accessories:
2. [Roofing Felt] [Building Wrap]:
	1. Material: [30lb (14kg) asphalt saturated felt] [Synthetic roof underlayment] [Specify material.].
	2. Material Standard: [Specify material standard.].
	3. Manufacturer: [Acceptable to manufacturer of rainscreen] [Specify manufacturer.].
3. Fasteners:

*Specifier Note: Specify only blunt-tipped, ring shank stainless steel nails for any wood cladding product.*

* 1. Type: [Nails] [Blunt-tipped, ring shank stainless steel nails] [Staples].
	2. Material: Corrosion protected steel.
	3. Material Standard: [Specify material standard.].
	4. Manufacturer: [Acceptable to manufacturer of underlayment] [Specify manufacturer.].
	5. Size: Suitable for project application.

**PART 3 EXECUTION**

*Specifier Note: Revise article below to suit project requirements and specifier’s practice.*

3.01 MANUFACTURER’S INSTRUCTIONS

1. Comply with the instructions and recommendations of the underlayment manufacturer.

*Specifier Note: Specify actions to physically determine that conditions are acceptable to receive primary products of the section.*

3.02 EXAMINATION

1. Site Verification of Conditions:
	1. Verify that site conditions are acceptable for installation of the underlayment.
	2. Do not proceed with installation of rainscreen until unacceptable conditions are corrected.

*Specifier Note: Coordinate article below with manufacturer’s recommended installation requirements.*

3.03 INSTALLATION

1. Cedar Shingle Installation
	1. Install plywood deck onto roof framing as specified in related section
	2. Install 30lb (14kg) roofing felt over entire roof deck. Extend felt 1/4" (6.4mm) beyond edge of roof deck. Overlap layers at least 4” (102mm) working toward the ridge.
	3. Tack down roof ventilation mat with 1 tack (or nail) approximately every 3 square feet.
	4. Install roof ventilation mat with dimples down to present the flat side as the nailing surface.
	5. Butt each course of roof ventilation mat against previous course. Do not overlap layers of roof ventilation mat.
	6. Work from fascia to ridge while installing shingles to avoid walking directly on roof ventilation mat.
	7. Install cedar shingles per manufacturer’s instructions. Use a nail of sufficient length to allow for ¾” (19.1mm) penetration into sheathing. Allow 1/4" (6.4mm) for roof ventilation mat thickness.
2. Cedar Shake Installation
	1. Install plywood sheathing onto roof framing as specified in related section.
	2. Install 36” (914mm) of 30lb (14kg) roofing felt for eave protection extending 1/4" (6.4mm) beyond edge of roof deck.
	3. Tack down roof ventilation mat with 1 tack (or nail) approximately every 3 square feet.
	4. Install roof ventilation mat with dimples down to present the flat side as the nailing surface.
	5. Butt each course of roof ventilation mat against previous course. Do not lap layers of roof ventilation mat.
	6. Work from fascia to ridge just ahead of shake and felt installation to avoid walking directly on the roof ventilation mat.
	7. Install an 18” (457mm) wide strip of 30lb (14kg) roofing felt over the top portion of the shakes and extend onto the roof ventilation mat t. Position the bottom edge of the felt above the butt of the shake at a distance equal to twice the weather exposure in compliance with manufacturer’s installation instructions. Use a nail of sufficient length to allow for 3/4" (19.1mm) penetration into the sheathing.
3. Metal Roofing Installation
	1. Install plywood sheathing onto roof framing as specified in related section.
	2. Install 30lb (14kg) roofing felt over entire roof deck. Extend felt 1/4" (6.4mm) beyond edge of roof deck. Overlap layers at least 4” (102mm) working toward the ridge.
	3. Tack down roof ventilation mat with 1 tack (or nail) approximately every 3 square feet.
	4. Install roof ventilation mat with dimples down to present flat side as the nailing surface.
	5. Butt each course of roof ventilation mat against previous course. Do not overlap layers of underlayment.
	6. Install metal roof cladding as per manufacturer’s instructions. Use fasteners of sufficient lengths to allow for 3/4" (19.1mm) penetration into sheathing. Allow 1/4" (6.4mm) for roof ventilation mat thickness.

*Specifier Note: Specify provisions for protecting work after installation but prior to acceptance by the owner. Coordinate article below with Division 1 Execution Requirements Section.*

3.04 PROTECTION

1. Protect installed work from damage due to subsequent construction activity on the site.

**END OF SECTION**