**SLICKER® CLASSIC OR SLICKER MAX SIDEWALL RAINSCREEN**

**PART 1 GENERAL**

1.01 SUMMARY

1. Section Includes: Rainscreen for Use in Sidewall Construction.

*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 4 Section: Masonry Units (04 20 00), Stone (04 40 00), Manufactured Masonry (04 70 00).
	2. Division 5 Section: Metal Framing (05 40 00).
	3. Division 6 Section: Rough Carpentry (06 10 00), Finish Carpentry (06 20 00).
	4. 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).
	5. Division 9 Section: Portland Cement Stucco Plastering (09 24 23), Veneer Plastering (09 26 00)

*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 D5199: Standard Test Method for Material Thickness
2. ASTM D3776: Standard Test Method for Material Weight
3. ASTM D5034: Standard Test Method for Dry Tensile Strength
4. ASTM D6364: Standard Test Method for Short Term Compression Strength
5. ASTM E84: 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 and Enhanced Warranty options: see website
	1. [www.benjaminobdyke.com/resource-category/warranty/](http://www.benjaminobdyke.com/resource-category/warranty/)

**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 RAINSCREEN

*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; E-mail: techsupport@obdyke.com; website: [www.benjaminobdyke.com](http://www.benjaminobdyke.com)
3. Proprietary Products/Systems: Rainscreen, including the following:
4. Slicker® Classic
	1. General Characteristics
		* 1. Description: Vertically-channeled three-dimensional matrix in roll form.
			2. Material: Nylon (up to 10% post-industrial recycled content)
			3. Width: 39.37 inches (1 m).
			4. Length: 46 1/2 feet (14.2 m).
			5. Thickness: 0.25 inches (6.4 mm).
			6. Weight: 11 lbs/roll.
			7. Matrix Design: 8 channels per 4 inches (102 mm). Two channels per inch (25.4 mm).
		1. Performance Characteristics
			1. UV Resistance: UV exposure for 30 days
			2. Thickness: 0.25 inches when tested in accordance with ASTM D5199
			3. Weight: 256 GSM when tested in accordance with ASTM D3776
			4. Tensile Strength: 26 lbf MD, 32 lbf CD, when tested in accordance with ASTM D5034
			5. Short Term Compression: 179 lb/SF, when tested in accordance with ASTM D6364, compressive stress at 10% strain
			6. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84. Flame Spread: 15, Smoke Developed: 50.
5. Slicker®MAX
	1. General Characteristics
		1. Description: Vertically-channeled three-dimensional matrix bonded to a fabric in roll form.
		2. Material: Polypropylene (up to 40% post-industrial recycled content)
		3. Width: 39.37 inches (1 m)
		4. Length: 61 1/2 feet
		5. Thickness: 0.25 inches (6.4 mm)
		6. Weight: 20 lbs/roll.
		7. Matrix Design: 8 channels per 4 inches (102 mm); 2 channels per inch (25.4 mm).
	2. Performance Characteristics
		1. UV Resistance: UV exposure for 90 days
		2. Thickness: 0.241 inches when tested in accordance with ASTM D5199
		3. Weight: 364.5 GSM when tested in accordance with ASTM D3776
		4. Tensile Strength: 86.2 lbf MD, 85.4 lbf CD, when tested in accordance with ASTM D5034
		5. Short Term Compression: 324 lb/SF, when tested in accordance with ASTM D6364, compressive stress at 10% strain
		6. Surface Burning Characteristics: Class B

*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. Manufacturer: Benjamin Obdyke Incorporated.
	1. Contact: 400 Babylon Road, Suite A, Horsham, PA 19044; Telephone: (800) 523-5261; E-mail: TechSupport@obdyke.com; website: [www.benjaminobdyke.com](http://www.benjaminobdyke.com)
2. Proprietary Products/Systems: Weather Resistive Barrier, including the following:
3. FlatWrap® HP Housewrap
	1. General Characteristics
		1. Description: tri-laminate substrate (2 layers of nonwoven with water-holdout film layer in between).
		2. Material: Polypropylene
		3. Width: 5 ft (1.52 m) or 9 ft (2.74m).
		4. Length: 100 ft (30.48 m).
		5. Weight: 5 ft - 11 lbs/roll, 9 ft – 19 lbs/roll
	2. Performance Characteristics
		1. Air Penetration: 0.0062 L/(sm2) at 75 psi, when tested in accordance with ASTM E2178.
		2. Water Vapor Transmission: 16 perms, when tested in accordance with ASTM E 96, Method A.
		3. Water Penetration Resistance: 55 cm for 5 hours when tested in accordance with AATCC Test Method 127.
		4. Tensile Strength: 58.0 MD, 50.6 CD, when tested in accordance with ASTM D5034.
		5. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84. Flame Spread: 0, Smoke Developed: 75.
	3. Taping of housewrap seams is not required. If taping seams, HydroTape® DS Sealing Tape or other compatible product as specified by the manufacturer must be used.
		1. HydroTape® DS Sealing Tape Characteristics:
			1. Description: specially formulated double sided sealing tape for Benjamin Obdyke WRBs.
			2. Material: polypropylene film with acrylic adhesive.
			3. Width: 0.75 inches
			4. Length: 82 feet (25 m)
		2. Manufacturer: [Acceptable to manufacturer of FlatWrap® HP Housewrap] [Benjamin Obdyke].
4. Flashing Option 1: HydroFlash® UV+ Self-Adhered Flashing
	1. HydroFlash® UV+ Self-Adhered Flashing Characteristics:
		1. Description: specially formulated self-adhered flashing for Benjamin Obdyke water resistive barriers. Continuous, breathable acrylic adhesive
		2. Vapor permeable: 4 perms
		3. UV Rating: 365 days before cladding application.
		4. Material: black, unprinted polypropylene nonwoven film with acrylic adhesive.
		5. Width: [ 4; 6; 9] inches (101.6; 152.4; 228.6 mm)
		6. Length: 82 feet (25 m)
		7. Thickness: 16 mil
5. Flashing Option 2: [HydroFlash® LA Liquid Applied Flashing]
	1. HydroFlash® Liquid Applied Flashing Characteristics:
		1. Description: specially-formulated liquid applied flashing for Benjamin Obdyke water resistive barriers.
		2. Material: STPU compound
		3. Cured Thickness: 20-40 mils
		4. Vapor permeable: 4 perms
6. Flashing Option 3: [HydroFlash® GP Self-Adhered Flashing]
	1. HydroFlash® Self-Adhered Flashing Characteristics:
		1. Description: specially-formulated self-adhered flashing for HydroGap Drainable Housewrap.
		2. Material: polyethylene film with acrylic adhesive.
		3. Width:[4; 6; 9] inches (101.6; 152.4; 228.6 mm)
		4. Length: 82 feet (25 m)
		5. Thickness: 14 mil
7. Sill Flashing: Benjamin Obdyke HydroCorner® rigid sill corner flashing and HydroFlash® Self Adhered Flashing [6”, 9”] or
	1. [Acceptable to manufacturer of FlatWrap® HP Housewrap] [Benjamin Obdyke].
8. Fasteners:
9. Adhesives/Sealants:
	1. [Acceptable to manufacturer of Slicker® Classic or MAX] [Benjamin Obdyke].

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

**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 rainscreen 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 rainscreen.
	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. Basic Installation: see website
	1. [www.benjaminobdyke.com/resource-category/installation-instructions/](http://www.benjaminobdyke.com/resource-category/installation-instructions/)
2. Special Considerations for System Warranty Requirements: reference Part 1.6.B: see website
	1. [www.benjaminobdyke.com/resource-category/warranty/](http://www.benjaminobdyke.com/resource-category/warranty/)

*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**