SECTION 07 25 00

WEATHER BARRIERS

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\*\* NOTE TO SPECIFIER \*\* Wolf Home Products; vapor retarders.
This section is based on the products of Wolf Home Products, which is located at:
20 W. Market St.
York, PA 17401
Toll Free Tel: 800-388-9653
Email: [request info (JDFoura@wolfhomeproducts.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Wolf+Home+Products&coid=52495&rep=&fax=&message=RE:%20Spec%20Question%20(07250whp):%20%20&mf=)
Web: <https://www.wolfhomeproducts.com>
 [ [Click Here](https://www.arcat.com/arcatcos/cos52/arc52495.html) ] for additional information.
Wolf Home Products was founded in 1843 as a single store selling dry goods and lumber on the banks of Pennsylvania's Susquehanna River. During the first half of the 1900s, the company expanded into a mid-Atlantic wholesale and retail lumber operation with 30 locations.
By the early 2000s, Wolf transitioned its successful lumber operation into a sourcing organization, offering kitchen, bath, and building products exclusively to independent building materials dealers.
Wolf Home Products continued its growth with the introduction of Wolf-branded product lines in 2010. Today, the company is committed to product and geographic expansion, servicing 3,500+ dealers nationally and in Canada.

1. GENERAL
	1. SECTION INCLUDES
		1. Vapor retarders.
	2. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 06 10 00 - Rough Carpentry.
		2. Section 06 15 00 - Wood Decking.
		3. Section 07 42 00 - Wall Panels.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM International (ASTM):
			1. ASTM D779 - Standard Test Method for Water Resistance of Paper, Paperboard and Other Sheet Materials by the Dry Indicator Method.
			2. ASTM D5034 - Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test).
			3. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
			4. ASTM E96 - Standard Test Methods for Water Vapor Transmission of Materials.
			5. ASTM E2178 - Standard Test Method for Air Permeance of Building Materials.
			6. ASTM E2273 - Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies.
		2. International Code Council (ICC):
			1. ICC AC38 - Water Resistive Barriers.
		3. Oregon Residential Specialty Code:
			1. Section R703.1 for drainage housewrap products.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data:
			1. Manufacturer's data sheets on each product to be used.
			2. Preparation instructions and recommendations.
			3. Storage and handling requirements and recommendations.
			4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern and color.
		2. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
		2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
		3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
			1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
			2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
			3. Retain mock-up during construction as a standard for comparison with completed work.
			4. Do not alter or remove mock-up until work is completed or removal is authorized.
	1. PRE-INSTALLATION CONFERENCE
		1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
	2. DELIVERY, STORAGE, AND HANDLING
		1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
		2. Protect from damage due to weather, excessive temperature, and construction operations.
	3. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	4. WARRANTY
		1. Manufacturer's Warranty: Provide manufacturer's standard limited warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Supplier: Wolf Home Products, which is located at: 20 West Market Street; York, PA 17401; ASD Toll Free: 800-388-9653; Email: \_\_\_\_\_; Web: www.wolfhomeproducts.com.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
	1. PERFORMANCE REQUIREMENTS
		1. Standards Compliance:
			1. ICC AC38: ICC-ESR-3641 comply with:
				1. UV exposure: Pass.
				2. Accelerated aging: Pass.
				3. Low temperature bend/pliability: Pass.
			2. ASTM E96 for Water Vapor Transmission.
			3. ASTM E2178 for Air Permeance.
		2. Water Resistance per ASTM D779: Pass 60 minutes as is and aged.
		3. Tensile Strength per ASTM D5034:
			1. Machine direction: 50 pounds-force (222.4 N).
			2. Cross direction: 40 pounds-force (178 N).
		4. Drainage Efficiency per ASTM D2273 and Oregon Residential Specialty Code Section R703.1: 98 percent.
		5. Surface Burning Characteristics per ASTM E84:
			1. Flame spread: Class A.
			2. Smoke developed: Class A.
	2. VAPOR RETARDERS
		1. Basis of Design: BLOCK-IT House Wrap; as supplied by Wolf Home Products.
			1. Materials: Microporous film laminated to spunbound polypropylene fabric composed of small denier fibers, including olefin.
			2. Overall Weight per ASTM D3776: 3.24 ounce per square yard (110 grams per square meter).

\*\* NOTE TO SPECIFIER \*\* Contact manufacturer's representative to determine availability of roll sizes suitable for project in your area. Delete options not required.

* + - 1. Roll Width: 3 feet (914 mm).
			2. Roll Width: 10 feet (3048 mm).
			3. Roll Width: \_\_\_\_\_.
			4. Roll Length: 100 feet (30.48 m).
			5. Roll Length: 150 feet (45.72 m).
			6. Roll Length: \_\_\_\_\_.
	1. ACCESSORlES
		1. Mechanical Fasteners: Cap nails or staples in accordance with vapor retarder manufacturer's written recommendations.
		2. Sealing Tape: Self-adhesive acrylic seam sealing tape.
		3. Flashing Tape: Flashing tape with acrylic or butyl adhesive in accordance with manufacturer's written recommendations.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly constructed and prepared.
		2. Verify that substrate and adjacent materials are dry and ready to receive vapor retarder.
		3. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.
		2. Do not install vapor retarder over saturated substrate.
		3. Start at corner and install vapor retarder in shingle fashion with fabric side facing exterior.
			1. Ensure vapor retarder continues beyond band joist and extends 2 inches (51 mm) minimum below frame to foundation intersection.
			2. Fasten in place using cap nails or staples at 24 inches (610 mm) on center maximum.
		4. Ensure fasteners are 4inches minimum away from material edges and 12 inches (305 mm) minimum away from top of doors and windows.
		5. Ensure 6 inches minimum overlap at horizontal joint and 12 inches (305 mm) minimum overlap at vertical joints.
		6. Install vapor retarder beyond attic and other unoccupied spaces to roofline and under trim.
			1. Ensure vapor retarder integrates correctly with flashing.
			2. Trim vapor retarder at intersection of wall and roof.
		7. Overlap edges 24 inches (610 mm) minimum beyond corner if seams fall within 16 inches (406 mm) of exterior corner of structure.
		8. Cut vapor retarder at windows, doors and other penetrations in accordance with manufacturer's written recommendations.
		9. Flash around penetrations with flashing tape. Apply flashing tape to vertical edges of vapor retarder flap in accordance with manufacturer's written recommendations.
	4. FIELD QUALITY CONTROL
		1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.
	5. CLEANING AND PROTECTION
		1. Clean products in accordance with the manufacturer's recommendations.
		2. Touch-up, repair or replace damaged products before Substantial Completion.
			1. Repair small tears less than 6 inches (152 mm) long in vapor retarder with sealing tape.
			2. Repair tears longer than 6 inches (152 mm) by cutting flap in vapor retarder 2 inches (51 mm) minimum beyond bottom and sides of tear.
				1. Insert wider piece of vapor retarder under flap, shingle style and seal edges.
				2. Do not cover repairs with other work before receipt of approval from Architect.

END OF SECTION