



HOUSEWRAP

Protect your homes

Housewraps have become a best practice among builders all across the world. Builders trust SURROUND housewrap to deliver performance to homeowners, protecting the home during construction and for years to come.



FEATURES & BENEFITS

Tear strength

When installed properly, SURROUND housewrap offers excellent tear strength.

Water resistance

Helps keep moisture from entering your walls during construction and after siding is up.

Air resistance

Acts as an air barrier to help maintain a tight building envelope.

Moisture vapor transmission

Helps moisture vapor to escape.

Backed by a 10-year limited product replacement warranty¹



Resists ripping, tearing, or shredding

Mother Nature can wreak havoc on inferior housewraps. SURROUND housewrap withstands the rigors of the jobsite, and helps keep the integrity of the building envelope intact and helps ensure your wall cavities stay dry.

Helps keep water out

SURROUND housewrap acts as a primary line of defense to help keep water out of the wall system until the siding is installed—or in the event of construction delays. Once construction is complete, SURROUND housewrap continues to perform, acting as a secondary barrier against rain.

Helps keep air out

As an air barrier, SURROUND housewrap helps protect against the energy-stealing effects of air penetration, saving money, reducing the carbon footprint, and creating a more comfortable environment in the home.

Helps moisture to escape

The average home produces moisture vapor, which can end up in the wall cavities.² SURROUND housewrap helps this moisture to escape and drying to occur, which helps reduce the potential risk of mildew and mold.

¹See the Surround Housewrap Limited Warranty located at <http://www.typar.com/downloads> for warranty details.

²Source: National Research Council Canada, Richard L. Quirouette



HOUSEWRAP

Nonwoven, non-perforated product
Roll size: 3' x 100', 9' x 150',
9'6" x 95' and 10' x 195'

TYPICAL PROPERTIES

Property	ASTM	Surround HW
Basis Weight (gsm)	D-5261	75
Thickness (mils)	D-1777	9
Pliability	AC-38	PASS
Breaking Strength MD (lb)	D-5034	55
Breaking Strength CD (lb)	D-5034	53
Trap Tear—MD (lb)	D-5733	15
Trap Tear—CD (lb)	D-5733	12
Hydrostatic Pressure Resistance	AATCC 127-1995	500
Moisture Vapor Transmission Rate	E-96-95 A	18 perms
UV Light Exposure Resistance		4 mos
Water Resistance Test	D-779	PASS
Surface Burning Characteristics		
Flame Spread Index	E-84-00a	0/Pass
Smoke Developed Index		15/Pass

Surround® housewrap

3-PART SPECIFICATION

PART 1 - GENERAL

1.1 Summary

- A. Includes, but not limited to
 1. Furnishing and installing weather-resistant barriers on exterior side of exterior wall sheathing as described in contract documents

1.2 References

- A. ASTM-D5261—Standard Test Method for Measuring Mass per Unit Area of Geotextiles
- B. ASTM D-1777—Standard Test Method for Thickness of Textile Materials
- C. ICC-ES-AC308—Acceptance Criteria for Water-resistant Barriers
- D. ASTM D-5034—Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
- E. ASTM D-5733—Standard Test Method for Tearing Strength of Nonwoven Fabrics by the Trapezoid Procedure
- F. AATCC 127—Water resistance: Hydrostatic Pressure Test
- G. ASTM E96 - 95—Standard Test Methods for Water Vapor Transmission of Materials
- H. ASTM D779—Standard Test Method for Determining the Water Vapor Resistance of Sheet Materials in Contact with Liquid Water by the Dry Indicator Method
- I. ASTM E84- 00a—Standard Test Method for Surface Burning Characteristics of Building Materials

PART 2 - PRODUCTS

2.1 Water-Resistant Barrier

- A. Spunbonded Polypropylene Weather Membrane with a microporous coating, non-woven, nonperforated
- B. Performance Characteristics
 1. Air ins < .02L/s.m at 75 PA
 2. Dry indicator method greater than 24 hours
 3. Water penetration resistance greater than 55 cm
 4. Tensile strength: 52lbf at machine direction, 66lbf at cross direction
 5. Air permeance of 0.0006 l/s.m at 75 PA
- C. Approved Manufacturers
 1. Surround weather protection membrane by Fiberweb™, a Berry Global, Inc. Company

2.2 Sealing Tape/Fasteners

- A. Approved Tape Manufacturers
 1. TYPAR® Construction Tape by Berry Global, Inc.
- B. Recommended Sealants against logo side coating
 1. Elastomeric polymer-based, butyl rubber, rubber based, meeting ASTM C920 evaluation
- C. Recommended Fasteners for Wood, Insulated Sheathing Board, Exterior Gypsum
 1. Nails with large heads or plastic washer heads
 2. 1" Plastic Cap staples
- D. Recommended Fasteners for Steel Frame construction
 1. Rust-resistant screws with washers
- E. Recommended Fastening to Masonry
 1. Sealant: Polyurethane-based, meeting ASTM C920 evaluation
 2. Mechanical: Masonry fastener with washer

PART 3 - EXECUTION

3.1 Installation

- A. Install in accordance with manufacturer's instruction over exterior sheathing or open studs. Seal joints and penetrations through weather-resistive barrier with specified tape and fasteners prior to installation of finish material. Air infiltration barrier shall be air tight and free from holes, tears, and punctures. All window and door penetrations are to be flashed and sealed per ASTM 2112, AAMA guidelines and manufacturer instructions. Cover with exterior cladding within 4 months of installation.

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