

# SURROUND YOUR HOMES WITH PROTECTION.



## Introducing Surround™ Housewrap.

- **Tear strength.** When installed properly, Surround Housewrap offers excellent tear strength, which keeps the barrier intact and your wall cavities dry.
- **Water holdout.** Helps keep moisture from entering your walls during construction and after siding is up.
- **Moisture Vapour Transmission.** Allows moisture vapour to escape, reducing risk of mold and mildew.
  - Non-perforated, non-woven product
  - 1.525 meter x 50 meter rolls

### Protect your homes.

Housewraps have become a best practice among builders all across the world. Surround Housewrap protects your homes, and your reputation, from being damaged.

### Won't rip, tear or shred.

Mother Nature can wreak havoc on inferior housewraps. When properly installed, Surround Housewrap withstands the rigours of the jobsite, and keeps the integrity of the building envelope intact.

### Keeps water out.

Surround Housewrap acts as a primary line of defense to keep water out of the building envelope until the siding is installed—or in the event of construction delays. Once construction is complete, Surround Housewrap continues to perform. It acts as a secondary barrier against water that penetrates the exterior covering. Storm after storm. Year after year.

### Allows moisture to escape.

The average home produces 3 to 6 gallons of moisture vapour each day, most of which ends up dissipating through the drywall and into the wall cavities. Surround Housewrap allows this moisture to escape and allows drying to occur, helping to reduce the potential risk of mildew and mold.

**Surround**  
Housewrap  
A TEKTON® Brand

# SPECIFICATIONS

## SURROUND™ HOUSEWRAP, A TEKTON® BRAND

### PART 1 – GENERAL

- 1.1 Summary
- A. Includes but not limited to
    1. Furnish and install weather-resistive barriers on exterior side of exterior wall sheathing as described in Contract Documents
- 1.2 References
- A. ASTM E96-90 – standard test method for water vapour transmission of materials
  - B. ASTM D882-97 – standard test method for tensile properties of thin plastic sheeting
  - C. AATCC-127 – hydrostatic head test
  - D. ASTM E283 – standard test method for rate of air leakage through exterior windows, curtain walls & doors
  - E. ASTM D779 – dry indicator method, water penetration resistance
  - F. ASTM D5034 – standard test method for breaking strength and elongation of textile fabric
- 1.3 Submittals
- A. Quality Assurance
    1. Submit copies of test results showing performance characteristics equaling or exceeding those specified

### 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 @ 75 PA
    2. Dry indicator method greater than 24 hours
    3. Water penetration resistance greater than 55 cm
    4. Tensile strength: 52lbf @ machine direction, 66lbf @ cross direction
    5. Air permeance of 0.0008 l/s.m @ 75 PA
  - C. Approved Manufacturers
    1. Surround weather protection membrane by Fiberweb\*
- 2.2 Sealing Tape/Fasteners
- A. Approved Tape Manufacturers
    1. Housewrap construction tape
  - 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" Crown 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.

Physical properties & test results				
Property	Test Method	Unit	CCMC Requirements	Results
Water Vapour Permeance	ASTM E96A	ng/Pa.s.msq	>170	
Water Ponding	CCMC 6.1	N/A	No Water	Pass
Tensile Strength	ASTM D882	N/mm	>3.5	
Trap Tear MD/XD	ASTM D5733	N	–	102/107
Air Leakage	ASTM E283	L/s.m2 @ 75 PA	<0.02	0.0008

