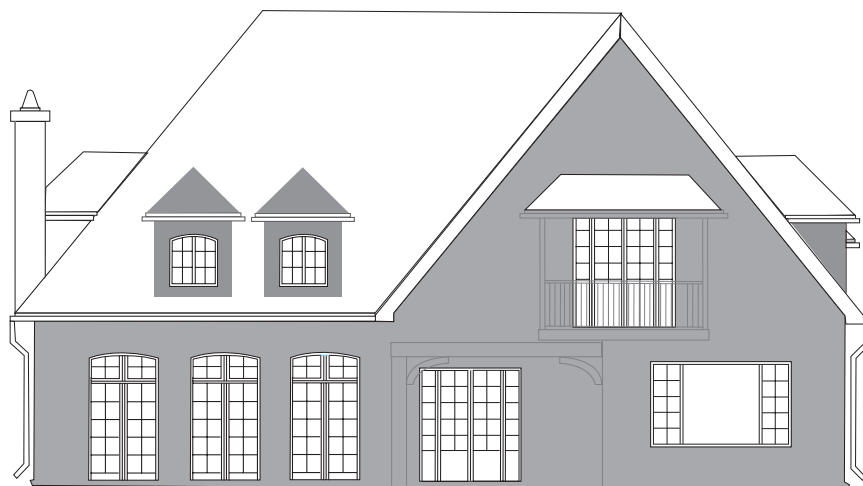


RIDGE VENTILATION

# TYPAR® HouseWrap

*A Fiberweb Brand*



Part of the **Typar® Weather Protection System**

**Start now** to reduce the risk of moisture damage that can lead to mold growth.

You want to design and build homes that are comfortable, cozy, energy-efficient and will stand the test of time. As part of the complete Typar® Weather Protection System, Typar® HouseWrap is a key building material to incorporate into your home designs to assure long-term homeowner satisfaction.



Typar HouseWrap delivers four key advantages you won't find with other housewraps:

- **Superior water holdout** — blocks water from entering the wall cavity.
- **Optimal moisture vapor transmission (MVT)** — it breathes so moisture can escape the wall cavity.
- **Superior tear strength** — proven to withstand heavy winds and is almost five times stronger than the leading competitive wrap.
- **Exceptional surfactant resistance** — reduces the damaging effects that oils and tannins from OSB, soaps and powerwashing can have on the system's ability to block moisture.

Think of Typar HouseWrap as an extra layer of protection to secure the building envelope. With Typar on the outside, homeowners feel more comfortable inside. Typar eliminates drafts in the wall, which helps reduce energy costs. And the Typar material itself will not support the growth of mold (ASTM D3273) or disintegrate over time, for added confidence and reduced worries for you. Typar HouseWrap offers superior protection you and your homebuyers can count on and expect in their homes.



Typar Weather Resistant Barrier products contain 25% post-individual recycled content which reduces the consumption of raw materials and our environmental footprint.



**MetroWrap™**

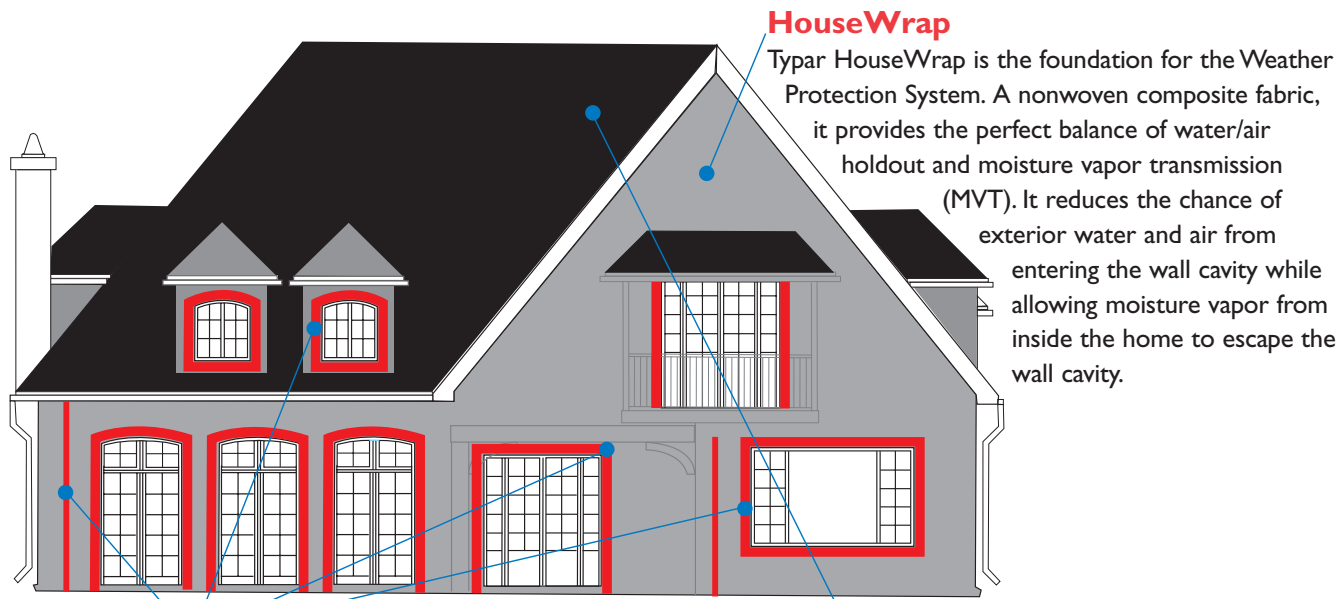
Typar MetroWrap stands up to the rigors of commercial construction with superior performance and toughness.



**StormWrap™**

In high-wind and extreme weather areas where impact resistance is key, choose the fiber-reinforced wrap engineered to do the job — Typar StormWrap.

## Part of the Typar Weather Protection System.



### HouseWrap

Typar HouseWrap is the foundation for the Weather Protection System. A nonwoven composite fabric, it provides the perfect balance of water/air holdout and moisture vapor transmission (MVT). It reduces the chance of exterior water and air from entering the wall cavity while allowing moisture vapor from inside the home to escape the wall cavity.

### Accessories

Typar offers three flashing options to ensure seal integrity around doors, windows and other exterior rough openings. Typar® Flashing RA™ offers affordable, best-in-class performance. Typar® Peel & Stick Flashing is the original premium butyl-based flashing. Typar® Flashing Flex is also butyl based and is perfect for sealing around arched windows. Typar® Construction Tape is a strong, polypropylene film, coated with a powerful all-weather acrylic adhesive that seals out the elements.

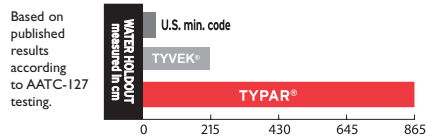
### RoofWrap™ 30

Typar® RoofWrap 30 is a high strength polypropylene underlayment. It's a tough, weather-resistant fabric, engineered to protect the roof under the harshest conditions. It's the ideal choice under shingles, shakes, tiles, slate and metal roofs, and resists tearing away even in high winds.



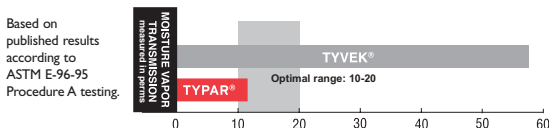
**Smart system** backed by a 10-year limited warranty.

### SUPERIOR WATER HOLDOUT



### OPTIMAL MOISTURE VAPOR TRANSMISSION

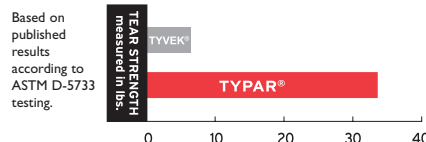
Typar's balanced MVT helps prevent moisture vapor from becoming trapped in your walls.



\*Source: Fiberweb, Inc.

### INDUSTRY LEADING TEAR STRENGTH

When properly installed, Typar is proven to withstand heavy winds and is approximately five times better than Tyvek.





## FOR RESIDENTIAL APPLICATIONS TYPICAL CHARACTERISTICS

Basis Weight	(ASTM D-5261)	3.1 osy 21.0 lbs/1000ft <sup>2</sup>
Thickness	(ASTM D-1777)	12.9 mils
Bursting Strength	(ASTM D-3786)	66 psi
Dry Tensile Strength	(ASTM D-5034)	80 lbs md 87 lbs xcl
Trapezoidal Tear	(ASTM D-1117/ ASTM D-5733)	30 lbs md 33 lbs xcl
Pliability	(AC-38)	Pass
Hydrostatic Pressure Resistance	(AATCC 127-1995)	865 cm
Gurley Hill Porosity	(TAPPI T-460)	> 2500 sec/100cc
Moisture Vapor Transmission Rate	(ASTM E-96-95, procedure A)	11.7 U.S. perms
Ultra Violet Light Exposure Resistance (UV)		6 months
"Air-Ins" (Air Leakage Test)	(CCMC Technical Guide MF-07273)	.0032L/(S-M <sup>2</sup> ) @ 75 pascals
Water Resistance Test (Boat Test)	(ASTM D-779)	PASS
Water Ponding Test	(CCMC Technical Guide MF-07193)	PASS
Surface Burning Characteristics	(ASTM-E-84-00a)	
Flame Spread Index		Class A
Smoke Developed Index		PASS

### ROLL SIZES

3 ft x 100 ft	9 ft x 150 ft
4.5 ft x 200 ft	9 ft x 195 ft
9 ft x 100 ft	10 ft x 100 ft
9.5 ft x 95 ft	10 ft x 150 ft

ICC #ESR-1404, CCMC #12892-R, CCMC #12894-R

*For more information, call 800-284-2780  
or visit [www.typar.com](http://www.typar.com).*

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Made in the U.S.A.



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## SPECIFICATIONS:

### 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

- ASTM E- 1677-95 "Standard Specification for an Air Retarder (AR) Material or System for Low-Rise Framed Building Walls".
- ASTM E-96-90 "Standard Test Method for Water Transmission of Materials".
- AATCC-127 "Hydrostatic Head Test".
- ASTM D-5733-9 Trapezoidal Test.
- Air-Ins ASTM E-283 Canadian Air Barrier Materials Standard.
- ASTM D-779 Dry Indicator Method, Water Penetration Resistance.

#### 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. Gurley Hill [TAPPI T-460] [sec/100cc] >2500.
2. Water Vapor Transmission 5 perms & 20 perms as tested by ASTM E-96-90, Method A.
3. Water penetration resistance of 865 cm on hydrostatic head in accordance with AATCC-127.
4. Trapezoidal Test of 30/33 in accordance with ASTM D-5733-9.
5. Air-Ins < .02L/S-M<sup>2</sup> @ 75 PA.
6. Dry Indicator Method ASTM D-779 = to 24 hour rating.

C. Approved Manufacturers

1. Typar® Weather-Protection Membrane by Fiberweb™
2. Contact Information: 800-284-2780

#### 2.2 Sealing Tape/Fasteners

A. Approved Tape Manufacturers

1. Typar® Construction Tape, by Fiberweb™

B. Recommended Sealants against Typar 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. Plastic cap nails.
2. 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, AMMA guidelines and manufacturer instructions. Cover with exterior cladding within 6 months of installation.

**Typar® HouseWrap helps reduce air leaks in a house thereby reducing the energy consumption.**

Typar®, Typar® Weather Protection System, Typar® HouseWrap, Typar® Peel & Stick Flashing, Typar® Flashing Flex and Typar® Construction Tape are registered trademarks of Fiberweb, Inc.

Typar® RoofWrap™ 30, Typar® MetroWrap™, Typar® StormWrap™, and Typar® Flashing RA™ are trademarks of Fiberweb, Inc.

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TYVEK is a registered trademark of E.I. DuPont.

