

GRADE ELEVATION
116.90M

FOR COMMERCIAL APPLICATIONS TYPICAL CHARACTERISTICS

Thickness		12.1 m
Basis Weight	Tappi T-410	3.5 oz/yd ²
Breaking Strength (grab tensile)	(ASTM D-5034) (ASTM D-5034)	93lbs MD 95lbs CD
Trapezoidal Tear Resistance	(ASTM D-1117)	60lbs MD 67lbs CD
Water Penetration Resistance	ATTC-127	980 cm
Air Penetration Resistance	Tappi T-460	>4800 sec/100cc
Water Vapor Transmission	ASTM E 96 Method A	10 Perms
Ultra Violet Light Exposure Resistance (UV)		12 months
Surface Burning Characteristics Flame Spread Index Smoke Development Index	ASTM E84	Class A PASS

ROLL SIZES

10 ft x 100 ft
5 ft x 150 ft

ICC Code Approval #ESR-1404

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Made in the U.S.A.



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Typar® MetroWrap™ is a trademark
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SPECIFICATIONS:

PART I – GENERAL

- 1.1 Summary
 - A. This Section specifies Typar MetroWrap applied as a water resistive barrier and air barrier assembly in exterior walls.
- 1.2 Submittals
 - A. Product Data: Submit manufacturer's product data and installation instructions.
 - B. Samples: Submit 12 inch (300 mm) square sample for approval.
- 1.3 Quality Assurance
 - A. Manufacturer: Obtain primary materials from a single manufacturer regularly engaged in manufacturing building wraps. Obtain secondary materials from a source acceptable to the primary materials manufacturer.
 - B. Installer: Minimum 2 years experience with installation of similar building wraps.
- 1.4 Delivery, Storage and Handling
 - A. Deliver materials and products in unopened factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage.

PART 2 – PRODUCTS

- 2.1 Materials
 - A. Building Wrap: Typar MetroWrap by Fiberweb, 70 Old Hickory Boulevard, Old Hickory, TN 37138, Tel: 800-284-2780; www.typar.com.
Material shall comply with the following:
 1. Thickness: 0.121 inches average.
 2. Breaking Strength Test: 94 pounds mean value per ASTM D 5034.
 3. Water Vapor Transmission: 9-15 perms (grains per hr.in.Hg.sqft) per ASTM E96, dessicant method.
 4. Pliability: No signs of cracking per AC38, Sec. 3.3.4.
 5. Ultraviolet Exposure: Not less than 10 months prior to exterior cladding coverage.
 6. Accelerated Aging Cycling: No signs of failure at 21 days per AC38.
 7. Water Resistance Test: Exceeds one hour per ASTM D779.
 8. Elongation: 1.9 inches mean value per ASTM D 5034, 4 inch wide sample.
 - B. Manufacturer's Accessory Products:
 1. Tape: Typar Construction Tape.
 2. Sealant: Approved Sealant.
 3. Flashing: Typar Flashing Flex, Typar Peel & Stick Flashing and Flashing RA.
 - C. Manufacturer Warranty:
 1. Product replacement for one year or more.

PART 3 – EXECUTION

- 3.1 Examination
 - A. Prior to start of installation, inspect existing conditions to ensure surfaces are suitable for installation of MetroWrap, including removal of sharp protrusions and that substrate is dry.
- 3.2 Installation of MetroWrap
 - A. Installation: Comply with manufacturer's installation instructions including but not limited to the requirements specified in this section. Sequence construction such that MetroWrap is not exposed for more than 12 months before covering material is applied.
 - B. Overlaps: Install shingle style to shed water, with minimum 2 inch (50 mm) overlap horizontally, 6 inch (300 mm) overlap vertically, and 12 inches (600 mm) overlap at corners, at all locations where this is possible.
 - C. Fasteners at Wood Studs: Use manufacturer's recommended fasteners with up to 2 inch plastic heads. Use 2 inch (50 mm) long plastic headed nails or plastic headed screws when 1/2 inch (12 mm) thick OSB sheathing is used.
 - D. Fasteners at Metal Studs: Use manufacturer's recommended fasteners with up to 2 inch (50 mm) plastic disk around shank of No. 10 stainless steel self-taping screws. Use 2 inch (50 mm) long screws when 1/2 inch (12 mm) thick gypsum board is used.
 - E. Fastening at Concrete Block and Poured Concrete: Adhesive recommended by manufacturer.
 - F. Fastener Pattern: Attach one fastener or more every 24 inches (600 mm) in horizontal and vertical direction.
 - G. Edge Seal Where Material is Sealed to Itself: Typar Construction Tape.
 - H. Edge Seal Where Material is Sealed to Adjacent Material: Install approved sealant on the substrate 1 inch (25 mm) to 2 inches (50 mm) back from the edge of the MetroWrap. Press MetroWrap into the sealant to seal to create air and water seal. If required by location of termination, provide furring strip to hold the MetroWrap in place.
 - I. Edge Seal at Penetrations: Install approved sealant on the substrate 1 inch (25 mm) back from the edge of the cut. Press MetroWrap into the sealant to create air and water seal. Install Typar Flashing Flex, Typar Peel & Stick Flashing or Flashing RA on the exterior of the MetroWrap to join the material to the penetration.
 - J. Final Inspection of MetroWrap: When each section is complete, the installer shall visually inspect the installation and verify that all rows of material have overlapped the row below it, that all materials and components have been installed in a shingle fashion, that the fasteners are the proper ones, that the nailing pattern is correct, that all penetrations and terminations have been done correctly and that doors and windows have been properly flashed and integrated into the MetroWrap material. The installer shall repair any cuts or tears with Typar Construction Tape.

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