

Typar® StormWrap™ Three Part Specs:

SPECIFICATIONS:

PART 1 - GENERAL

1.1 Summary

This Section specifies Typar® StormWrap™ 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. Typar® StormWrap™

Material shall comply with the following:

1. Thickness: 0.02 inches average.
2. Breaking Strength Test: 212 pounds mean value per ASTM D 5034
3. Pliability: No signs of cracking per AC38, Sec. 3.3.4.
4. Ultraviolet Exposure: Not less than 10 months prior to exterior cladding coverage.
5. Accelerated Aging Cycling: No signs of failure at 21 days per AC38.
6. Water Resistance Test: Exceeds 24 hours per ASTM D779.
7. Elongation: 0.5 inches mean value per ASTM D 5034, 4 inch wide sample.
8. Impact Resistance: Impact weight >900 grams per ASTM D1709-04.
9. Meets Florida Building Code and Miami-Dade County Building Code (Miami-Dade County Approved NOA. 07-0322.08; ICC Code Approval #ESR-2431).

B. Manufacturer's Accessory Products:

1. Tape: Typar® Construction Tape.
2. Sealant: Recommended sealant by Typar®.
3. Flashing: Typar® Flashing Flex, Typar® Peel & Stick Flashing and Typar® Flashing RA.

PART 3 - EXECUTION

3.1 Examination

- A. Prior to start of installation, inspect existing conditions to ensure surfaces are suitable for installation of Typar® StormWrap™, including removal of sharp protrusions and that substrate is dry.

3.2 Installation of Typar® StormWrap™

- A. Installation: Comply with manufacturer's installation instructions including but not limited to the requirements specified in this section. Sequence construction such that StormWrap 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 vertically, 6 inch (150 mm) overlap horizontally, and 12 inches (300 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, plastic cap staple 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 plastic disk around shank of S-12 bugle head stainless steel self-taping screws. Use 2 inch (50 mm) long screws with plastic disk around shank 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: 16 inches (400 mm) vertical fastener spacing for both 16 and 24 inches on center frame stud spacing. Alternatively, furring strips can be used at a spacing of 16 inches (400 mm) for 16 inch stud-spaced frames or 24 inches (600 mm) for 24 inches stud-spaced frames.

- G. Edge Seal Where Material is Sealed to Itself: Typar® Construction Tape.

- H. Edge Seal Where Material is Sealed to Adjacent Material: Install Typar® recommended sealant on the substrate

1 inch (25 mm) to 2 inches (50 mm) back from the edge of the Typar® StormWrap™. Press building wrap into the sealant to seal to create air and water seal. If required by location of termination, provide furring strip to hold the Typar® StormWrap™ in place.

I. Edge Seal at Penetrations: Install Typar recommended sealant on the substrate 1 inch (25 mm) back from the edge of the cut. Press Typar® StormWrap™ into the sealant to create air and water seal. Install Typar® Flashing Flex , Typar® Straight Flashing or Typar® Flashing RA on the exterior of the Typar® StormWrap™ to join the material to the penetration.

J. Final Inspection of Typar® StormWrap™: 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 Typar® StormWrap™ material. The installer shall repair any cuts or tears with Typar® Construction Tape.