



MONARCH
METAL INC.

Monarch MFTP System Installation

PURA[®] NFC

BY TRESPA

System Description -

The MFTP System has been specifically designed for Trespa Pura NFC, as delivered by Trespa. It has not been designed for Trespa Meteon, other HPL panels, or panels fabricated from other materials. Any use that deviates from Trespa Pura NFC, is not recommended or approved by Monarch. The MFTP System has been approved by Trespa North America.

Recommended Fasteners -

The MFTP2.0 Clip has been designed for pan head screws up to .250" in diameter. The clips are provided with .250" diameter holes, compatible with #12 and #14 screws. Larger heads up to .625" are recommended. Countersunk fasteners are not compatible or recommended.

The MFTP SR, MFTP IC, MFTP OC, and MFTP ET should all be installed with #10 diameter screws. These should be a stainless steel, self-drilling fastener. Fasteners should attach at each stud location horizontally, and every 24" vertically for trims.

The fasteners should be chosen to suit the appropriate wall substrate. Typical wall substrates include sheathing with wood or steel studs, CMU, or solid concrete.

Fasteners should be selected to penetrate into the wall structure, not just exterior sheathing:

Wood Studs - 1.25-1.5" Penetration

Steel Studs - Minimum (3) Threads past Steel Stud Interior Face

CMU and Concrete - Consult Engineer

Horizontal Installation Procedure -

1. Preparation of Wall Substrate -

- a. Trespa Pura must be installed over a suitable weather resistive barrier, suitable to the climate and building environment. Monarch recommends using a black or dark colored membrane, such as a membrane designed for open-joint cladding.
- b. Control Lines and/or story poles are recommended to ensure proper alignment around the building.

- c. Using a laser, chalkline, etc, to place a line around the perimeter of the building for the Monarch MFTPSR. It is recommended to place the bottom of the starter rail flush with the bottom of the sheathing. The Trespa Pura planks will then overlap the MFTP by approximately 7/16".

Note: Starter rail and trims can both be installed first, depending on installer preference. Installation of MFTPSR first requires trims be notched around the MFTPSR. Installation of trims (MFTPIC, MFTPET, and MFTPOC) first requires angled cuts of the MFTPSR.

2. - Option 1 - Installation of Monarch MFTPSR

- a. Using the control line set in Step 1C, place your first section of the MFTPSR rail against the wall, fastening with #10 self-drilling screws. These should be stainless steel, and long enough to penetrate into studs. The starter rail should be attached at each stud, 16-24" O.C maximum, and should be level.
- b. Continue installation around the perimeter of the building.

3. - Option 2 - Installation of Trims (MFTPIC, MFTPET, and MFTPOC) -

- a. Install each trim profile in their appropriate locations using #10 fasteners, long enough to penetrate the studs by 1-1.5". These trims should be installed plumb, level, and can be shimmed up to 1/8". Placement of the fastener on each flange can be determined by the installer.

4. First Course of Siding

- a. The Trespa Pura planks fit into the MFTPSR, and will rest on the upturned leg. The plank will already be level, once the horizontal placement is set, it will be locked down with MFTP2.0 Clips.
- b. Install MFTP2.0 clips at 16-24" intervals, matching the structural stud spacing. This requires (1) fastener per clip, as described in the "Recommended Fasteners" area above.
- c. Each Trespa Pura plank requires a fixed location, and we recommend using an acrylic or polyurethane construction adhesive that is approved for aluminum and plastic bonding. There are many different off the shelf options available.
- d. At the butting of two planks, (1) MFTP2.0 clip can be used to connect them. To avoid seeing the clip, the installer should spray paint the face of the clip prior to installation.
- e. At trims, a minimum gap of 1/4" is required for expansion and contraction.
- f. Repeat all steps above for successive courses.

5. Top of Wall -

- a. If the final Trespa Pura plank has to be ripped down to fit, the MFTPHR will be used to close the system, and provide a thru-attachment point for the planks. This profile is vented, and maintains the ventilation through the system.
 - i. Once the plank is scribed and ripped to fit, mark and place the MFTPHR. It will attach to the wall substrate with #10 fasteners.
 - ii. Mark and Drill thru-holes in the final plank for color-matched fasteners.
 - iii. Place the final plan on the previous course, and using the color-matched fasteners, screw into the MFTPHR.
- b. If the final Trespa Pura plank is a complete plank, the system will be finished with clips.

6. Windows and Doors -

- a. All care should be taken to time each course to align with the bottom and top of windows and doors, but when that doesn't occur, these are the steps to be taken.
 - i. Under Windows - If the plank needs to be notched, and the windows are larger than 24" wide, a section of the MFTPHR should be fitted, and the plank should be attached to the rail with color-matched fasteners.
 - ii. Above Windows - It's important to maintain a drained and ventilated cavity across the project, and that can be achieved in (2) ways.
 - 1. Notched Plank - In the case of a notched plank, the MFTPHR should be used to secure the plank, similar to the "Under Windows" step.
 - 2. Full Plank - In this scenario, a plank perfectly aligns with the head of the window. In this situation, the MFTPSR should be used to carry the course.

Note:

Installation should be completed by a professional, who is experienced in planning and laying out the cladding prior to installation. Mockups and drawings should be completed prior to installation so that all scenarios described above are accounted for.

Trespa Pura planks should not be installed with clip spacing larger than 24" O.C in any scenario.

Monarch Metal installation instructions are to be used as reference, and does not assume any liability for improper installation or materials damaged during installation. All care should be taken to follow instructions from both Monarch Metal and Trespa. These instructions may be updated at any time, and we reserve the right to update for any reason.