



TWIN LOC-NAIL INSULATION & MEMBRANE FASTENER

TWIN LOC-NAIL - Preassembled

Order No. **

**Contact Customer Service or your Sales Representative for Soprema supplied Twin Loc-Nail unit offerings, pricing, length and pieces (pre-assembled tube and stress plate or tube as a stand-alone) per box.

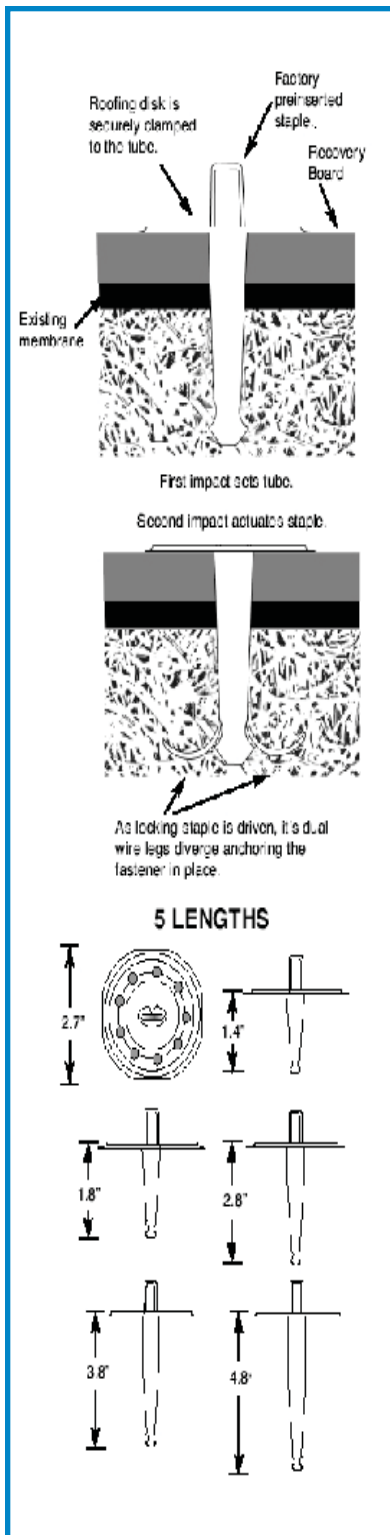
DESCRIPTION & APPLICATION

Patented Twin Loc-Nail/Stress Plate preassembled units are used to secure base sheet, approved thermal insulations and cover boards to approved roof decks. In specific Soprafix, Soprafix-e, Soprafix (X) or UNILAY Mechanically Fastened SBS Roof Assemblies (SOPRAFIX), either Twin Loc-Nail/Stress Plate combination or the Twin Loc-Nail (tube as a stand-alone) and special oval shaped punched Soprafix **Metal Batten Bar with Twin Loc-Nail (MBB-TL-Order No. F359-TL)** or Soprafix **Polymer Batten Bar with Twin Loc-Nail (PBB-TL-Order No. F356-TL)** is used to mechanically fasten the SOPRAFIX membrane. See SOPRAFIX and Soprafix Batten Bar Product Data Sheets, Approved Details and published Specifications.

Always use Soprema Twin Loc Drivers or those drives accepted by Soprema Inc. for a particular application. Drive fastener perpendicular to roof deck seating stress plate, MBB-TL or PBB-TL flush with roofing surface or substrate. Once tube is set, drive the locking staple thru the tube/stress plate or batten bar/tube unit into the deck until the top of the staple is flush with the stress plate or batten bar (see illustration). When locking staple is driven, its dual wire legs diverge anchoring the fastener in place (see illustration). Uplift resistance may vary depending on the density and integrity of deck substrate.

On-site withdrawal testing should always be performed to evaluate the ability of the roofing substrate to satisfactorily accept and retain fasteners. Florida Building Code Testing Application Standard (TAS) No. 105-98 (or the most current), *Test Procedure For Field Withdrawal Resistance Testing* is recommended and may be required by local building code in certain states. The fastener withdrawal values should be recorded in compliance with TAS 105 Appendix A., *The Field Withdrawal Resistance Test Results Report*. Such test results may alter fastener selection and modify applicable fastening patterns.

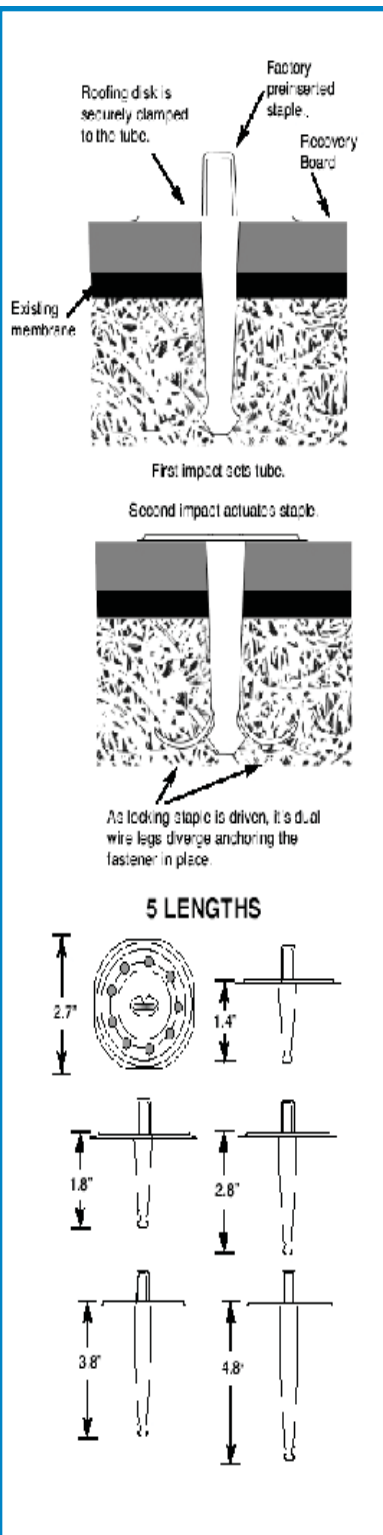
The Twin Loc-Nail should always be embedded into the structural roof deck to a depth of at least one (1") inch (25 mm) or that additional depth in order to obtain adequate fastener withdrawal values to insure the roofing components being fastened are secured in compliance with the local building code, Florida Building Code (State-Wide Approval and Miami-Dade County) and FM Global.



COMPOSITION & PACKAGING

Factory preassembled components consisting of:

- **Tube:** Precision formed corrosion resistant Galvanized (G-90) coated steel tube. The tube is shaped to easily penetrate decking and existing membranes.
- **Disk:** Precision formed corrosion resistant rib reinforced two-point-seven 2.7" (68 mm) diameter Galvalume (AZ-55) steel stress plate.
- **Tube:** Twin Loc-Nail (tube as a stand-alone) is used in combination with Soprafix MBB-TL which is a flat, nominal one (1) in. (25 mm) wide AZ55 Galvalume metal bar with three (3") inch o.c. (76 mm) pre-punched recessed oval shaped holes that receive the Twin Loc-Nail (tube only). MBB-TL is available in 100 feet (30.5 m) coils or special order lengths. Membrane side laps are either self-adhered, heat welded or hot air welded. Soprafix PBB-TL is a flat, nominal one (1") inch (25 mm) wide modified polymer bar that exceeds 35,000 psi and is non-thermal conducting. PBB-TL is available with three (3") inch o.c. (76 mm) pre-punched oval shaped holes that receive a Twin Loc-Nail (tube only) and is prepackaged in 250 feet (76.2 m) long coils or special order lengths. Membrane side laps are either self-adhered or hot air welded.
- **Staple:** Precision formed corrosion resistant high tensile steel locking wire.
- **Packaging:** Preassembled 1.4", 1.8", 2.8", and 3.8" Twin Loc-Nails packaged 500 per carton. Preassembled 4.8" Twin Loc-Nails packaged 250 per carton.



APPROVALS

See Underwriters Laboratories Inc. File #R11436, FM Approvals, ICC/ES, Miami-Dade County or Florida Building Code Product Approval Listings for current Approved Roof Assembly Combinations.

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.

When SOPRAFIX Membrane Fastening System is secured using either the Twin Loc-Nail/Stress Plate or Twin Loc-Nail (tube only) and the MBB-TL or PBB-TL batten bar, an increased fastener density for Wind Warranty Riders or when elevated roof velocity pressures are encountered on specific projects may be required. See SOPRAFIX and Soprafix Batten Bar Product Data Sheets, Approved Details, published Specifications for Installation Requirements.