MPI STRONGSEAM TS324
SST KEY BENEFITS & FEATURES

StrongSeam TS324® Trapezoidal Structural Mechanically Seamed Roofing System*

Roof System Design Benefits/Features

DESIGN

- TS324® roof system is recognized and referred to throughout the Architectural, Engineering, Specification Writers, and Design communities as the Structural Architectural Standing Seam Roofing industry benchmark for having met and/or exceeded all industry accepted standard product testing and certification requirements
- Design Flexibility with largest selection of patented clips to meet any roofing project challenge
- Industry's greatest performance for ASTM E 1680 Air and ASTM E 1646 Water infiltration tested to be more effective at 30 and 40 psf than any other competitors at the standard 6.24psf and 12 psf
- TS324® roofing systems are field-proven with billions of square feet of in place.
- RollLok® seamed roof systems are very competitive with competitor snap lock panels while maintaining a superior watertight seam
- May be installed on low ¼:12 roof slopes with superior in-place performance

SEAMS

- Unique innovative design provides three seam possibilities: RollLok®, Triple Lok® and Quad-Lok® configurations to meet or exceed high wind lift challenges and weathertightness.
- All three seam configurations are produced from the single set of tooling, using the same coil width, same clip options and ancillary accessories

- Ease of InstallationInstallers can install all panels without mechanical seaming to speed up installation time then perform seaming later
- Best panel performance for air/water testing (ASTM E 1680, ASTM E 1646) in the industry (tested to perform over 3X greater than industry required)
- Hydro-static finished seam design assure in-place rib joinery weathertightness
- The most competitively priced standing seam roof system on the market today
- Panel mechanical TripleLok® or QuadLok® seaming options provide Engineers the ability to meet high wind uplift zonal requirements without the need for external wind utility clamps (roof warts) at all clip locations
- Higher ASTM 1592 uplift capacity than others in the industry even those using utility seam clamps (roof warts)
- Roof system may be installed with either in line or staggered panel splices for ultra-long roof runs

PERIMETER

- Highest performing perimeter roof system design for edge /corner zones codes in the industry meeting the newest ASCE7-21 edge/corner zone codes and design uplift requirements
- Highest performing perimeter options utilizing patented High-Capacity Starter/Rake plates while featuring up to 7" of thermal cycle travel and will allow up to 500'-0" panel runs without expensive mid slope pinning
- 4X stronger than competition when tested only to lose expansion serviceability in lieu of catastrophic roof loss due to part connection separation from secondary framing experienced by other roofing systems
- Eave plates with field fastener placement control via pre-punched ¼" holes at 6" centers to work in conjunction with the patented Starter/Rake Plates
- All perimeter plates utilize the same ¼" structural fastener as the clips

CLIPS

- Largest number of roof system clips options (18) in the industry to meet challenging State , Regional, and City building code wind uplift requirements without utility seam clamps. This variety of clips allows architects, builders and designers the ability to meet the most challenging roof design requirements. All TS324® clips are G90 per ASTM A-653 and UL90 approved
- Panel clip designs allow the greatest roof expansion and contraction movement in the industry compared to competing systems

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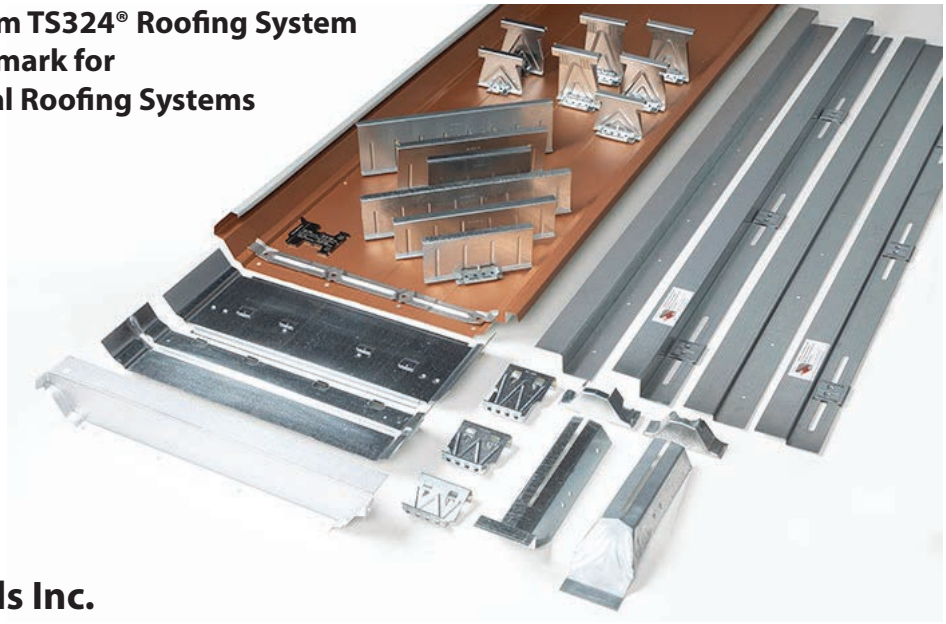
- TS324®clip options include fixed standard / extended standoff, movable standard, Movable Purlin Stabilizing standard/ extended standoff including BA 600 series 8", 12' and 16" standard windclips
- Three (3) Movable Purlin Stabilizing (MPS) extended standoff clip heights of 2", 2-1/2" and 3" for metal over metal retrofit opportunities and increased faced fiberglass blanket thicknesses and/ or insulation systems to meet on new roofs with increased stricter energy code requirements
- The TS324®extended height fixed clips feature a 5-hole base while the MPS 600 Series clips utilize 4-hole bases which also allows for reduced compression of insulation over the purlins/bar joists for greater "R" or lower "U" energy values
- Improved loading with unmatched uplift capacity using the long purlin stabilizing 4-hole base

QUALITY CONTROL

- Specialty Patented Module Clamp kits are available for purchase to assist in holding seam modularity on all TS324 especially with ultra-long, multiple panel laps and high extended standoff clips roof systems
- Quality Control gauges assures profile panel elements remains in spec and allows plant operators the opportunity check profile elements before each production run

StrongSeam TS324® Roofing System
The benchmark for
Trapezoidal Roofing Systems



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