



## THE STORM-LOCK TWISTED WIRE SYSTEM

### DESCRIPTION

This system utilizes a continuous element of Galvanized, Stainless Steel, or Copper Storm-Lock Twisted Wire that is attached by means of a specific deck anchoring system. The Storm-Lock Twisted Wire element consists of two (2) wires twisted together with a loop or eyelet approximately every six (6) inches. The individual tiles are secured to the Storm-Lock Twisted Wire by means of individual Storm-Lock Twisted Wire. The Storm-Lock Tie Wire is passed through the hole(s) of each tile. For Spanish or Mission tile, it is secured by a triple twist and the other end is passed through a loop in the Storm-Lock Twisted Wire at least one full space above the tile top. Shingle or Flat tile have the Storm-Lock Tie Wire passed through both holes in the tile top and angled approximately 45 degrees up and away from each of the tile sides to the adjacent Twisted Wire element. All ends of the Tie Wire must be tied with three (3) full revolutions.

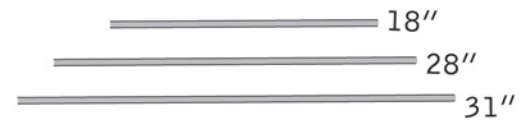
### SPECIFICATIONS

**Storm-Lock Twisted Wires** - Stainless Steel - .090 dia. / type 304 ASTM A 580-90  
Galvanized Steel - .105 dia. / ASTM A 641-82  
Copper - .101 dia. / ASTM B 3  
Packaged - 1000 lineal feet per roll

**Storm-Lock Tie Wires** - Stainless Steel - 18" and 28" .0625 / type 304 ASTM A 580-90  
Galvanized Steel - 18" and 31" .0625 / ASTM A 641-82  
Copper - 18" and 28" .064 dia. / ASTM B 3  
Packaged 1000 pieces per bundle



**Storm-Lock Twisted Wire**



**Storm-Lock Tie Wires**

### APPLICATIONS

- Wood** - For installation to wood deck a Storm-Lock Deck Anchor is used. The diamond or eyelets in the Storm-Lock Twisted Wire are slipped over the stems of the Storm-Lock Deck Anchor and the two stems are bent over to secure the Storm-Lock Twisted Wire. The Storm-Lock Deck Anchor is fastened to the wood deck using roofing nails of appropriate length, 11 ga. dia. with 5/16" head minimum. For additional holding power use approved coated or SST #12 or #14 roofing screw of appropriate length.
- Metal** - For installation to steel deck use Double Plate Anchor assembly consisting of approved coated or SST #12 or #14 roofing screw of appropriate length with (2) 3" Galv or SST plates.
- Concrete** - For installation to concrete deck use Double Plate Anchor assembly, consisting of approved coated or SST compression spike of appropriate length with (2) 3" Galv or SST plates.



**Storm-Lock Deck Anchor**



**Double Plate with Screw**

### RECOMMENDATIONS

The recommended spacing for each anchor assembly shall be 5'.

For high wind and high slope conditions, the use of Storm-Lock Nose Hooks and/or Storm-Lock Side Clips are recommended for the additional prevention of wind and seismic damage.



**Storm-Lock Nose Hook**



**Storm-Lock Side Clip**

**\* Note\*** The specifications/recommendations described above are a guide. Please review local building codes and consult an architect or certified structural engineer for project specific requirements.

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