

Tremco® Fasteners & Discs

Premium quality fasteners & insulation discs for securing insulation & structural components to wood & steel roof decks

FEATURES

- Corrosion Resistant Coating
- Extra Sharp Drill Point
- Deep Thread
- Rounded fastener head/ Recessed fastener hole on disc
- Round Disc
- Factory Mutual Approved

BENEFITS

- Resists long term deterioration of fastener/disc
- Long lasting performance
- Quick installation into either wood or steel decking
- Offers higher pullout strength
- Minimizes rough edges which may cut/abrade underside of roof membrane
- Distributes wind uplift force across a wide area of insulation
- Wind uplift protection

DESCRIPTION

Tremco Fasteners are manufactured from heat treated carbon steel which has been fully protected with a corrosion resistant coating. The head style is a #3 Phillips trusshead and the tip consists of an extra sharp self piercing drill point. Tremco Discs are manufactured from either Polypropylene or Galvalume® coated steel.

BASIC USES

Tremco Fasteners and Discs are designed to secure insulation to wood and steel roof decks. In addition, Tremco Fasteners can be used to secure other structural components of the roofing assembly, such as wood blocking, metal flanges, etc. When used in combination with the 2" (51 mm) disc and installed according to specification, Tremco Fasteners can be used to secure mechanically attached single ply roof membranes.

PACKAGING

Fasteners: Available in cases with 1,000 fasteners/case. Except for the Heavy Duty #1410 fasteners, which are packaged 500/case for fasteners of 5" (127 mm) length and greater. Each case contains a #3 Phillips drive bit.

Discs: Available in cases, with 1000 discs/case.

COLOR/FINISH

Fasteners: Black, **Polymer Discs:** Gray, **Steel Discs:** Galvalume finish

REFERENCES

- Factory Mutual Loss Prevention Data Sheets:
- I-28 Wind Loads to Roof Systems and Roof Deck Securement.
 - I-29 Above Deck Roof Components

PULLOUT TESTS

If required, the pullout resistance strength of a fastener can be measured in the field. Contact your Tremco representative for further information.

PRECAUTIONS

Working on any roof can be dangerous. Every necessary precaution and safety guideline should be observed in accordance with proper roofing trade practices.

FASTENER SELECTION

The Tremco/ES Products Twin Loc-Driver must be embedded into the structural deck to a depth of 1" (25.4 mm) minimum. Specify a fastener length which will secure the insulation and provide a minimum 1" fastener embedment.

APPLICATION

Tremco Fasteners and Discs are designed to be used in combination with each other. Do not mix fasteners and discs of different brands, unless the combination is Factory Mutual Approved. When installing fastener/disc assemblies, do not overdrive the fastener. Overdriving may lead to fracture of the insulation and loss of attachment. However, the fastener/disc assembly must be driven tight enough so that the disc will not turn.

Fasteners must be driven perpendicular to the deck.

Wood Roof Decks: Fasteners must penetrate a minimum 1" (25.4 mm) into the wood deck. For a 3/4" (19 mm) plywood deck, approximately 1/4" (6 mm) should extend through the underside of the deck.

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APPLICATION CONTINUED

Steel Roof Decks: Follow the recommendations of Factory Mutual Loss Prevention Data Sheet I-29 Above Deck Roof Components.

Fasteners must engage the top flange of the steel deck, as described by Factory Mutual (see references).

Use the shortest screw which is at least 3/4" (19 mm) longer than the assembly being secured.

PHYSICAL PROPERTIES

PROPERTY	STANDARD #1211	HEAVY DUTY #1410
Head Diameter	0.435" (11 mm)	0.435" (11 mm)
Head Style	#3 Phillips Truss Head	#3 Phillips Truss Head
Thread Diameter	0.215" (5.5 mm)	0.245" (6.2 mm)
Shank Diameter	0.170" (4.3 mm)	0.190" (4.8 mm)
Threads/inch	12.5	10
Corrosive Resistance	<15% red rust after 25 Kesternich cycles (DIN 50018)	
Pullout Strength 3/4 in. plywood	525 lbf (2335N)	575 lbf (2558N)
22 gauge steel	450 lbf (2001N)	475 lbf (2113N)

MAINTENANCE

Your local Tremco Roofing representative can provide you with effective maintenance procedures, which may vary depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the service of the Tremco Service Staff.



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