

PANEL-TITE[®]

METAL-TO-WOOD SCREWS

Designed for strength, sealing capability, fast installation, and long-life performance!



Take a look at what makes PANEL-TITE[®] different from other metal-to-wood post frame fasteners.

Washer

Superior Sealing Capabilities...

We don't think roofs should leak! That is why PANEL-TITE comes with a 12 mm O.D. bonded sealing washer. EPDM is an excellent ozone and weather resistant elastomer which possesses superior aging characteristics.

Threads

Larger Thread...

PANEL-TITE is engineered with a strong #10-12 double lead thread form which provides greater pullout resistance because of a wider deeper thread.

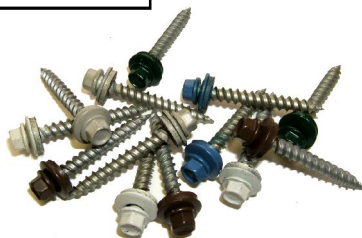


Sizes for any application

- #10-12 x 1" GP
- #10-12 x 1-1/2" GP
- #10-12 x 2" GP
- #10-12 x 2-1/2" GP
- #10-12 x 3" GP

Drive: 1/4" High Hex

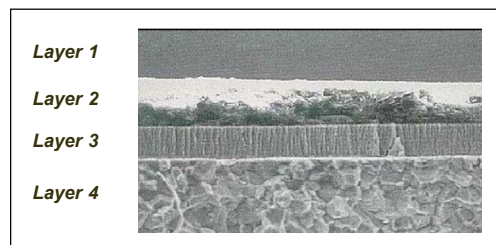
Can be painted to color match your panel or trim!



Plating

TRI-SEAL[™] Long-life Coating...

PANEL-TITE Screws are supplied with our high performance TRI-SEAL[™] coating. TRI-SEAL[™] Long-Life Coating is a high performance dip spin finish, developed to minimize corrosion when used in exterior building applications. TRI-SEAL[™] coating is a three layer system that achieves a minimum of 1,000 hrs salt spray and resists chipping.



- Layer 1 Baked Ceramic Surface Coating Layer**
Corrosive elements are intercepted by the strong paint film made of ceramic materials.
- Layer 2 Chemical Conversion Coating Layer**
Rust proof performance is improved as the chemical conversion inactivates the zinc plated surface and creates a tight adhesion between the chemically converted layer and the paint layer.
- Layer 3 Metallic Zinc Layer**
The steel / iron substrate is protected from corrosion by the self-sacrificial galvanic effect of the zinc coating.
- Layer 4 Fastener**



TRIANGLE FASTENER CORPORATION

"Specialty Fasteners, Tools, Accessories, Sealants and Services
for the Commercial Construction Industry"
(800) 486-1832 / www.trianglefastener.com

Sizes - Part Numbers - Carton Qty



| Lenght | Part Number | Weight/1,000 Pieces | Box Qty |
|--------|-------------|---------------------|---------|
| 1" | 10100PW | 8.5 lbs. | 4,000 |
| 1-1/2" | 10150PW | 11 lbs | 2,500 |
| 2" | 10200PW | 13 lbs. | 2,000 |
| 2-1/2" | 10250PW | 15 lbs. | 1,500 |
| 3" | 10300PW | 18 lbs. | 1,000 |

Bagged 250pc/bag

Thread Detail

Thread Per Inch (TPI): 12
Major Dia: .188" - .194"
Minor Dia.: .126" - .133"



Fastener Strength

Torsional: 65 inch. lbs. min.
Tensile: 2,100 lbs. min.
Shear: 1,400 lbs. min.

Material and Physical Specifications

Material: C-1022 Carbon Steel
Plating: .0003" Zinc with yellow chromate
TRI-SEAL™ top coat (Silver)
Head Style: 1/4" HWH
Thread: 10-12 Double Lead
Head: 1/4" Across Flats High Hex
Washer: Bonded Sealing Washer
12mm O.D / G90 Galvanized Steel / 20ga
EPDM vulcanized to the steel (.065" thick)
Point: Piercing Gimlet
Paint: Kalida-Kote Polyurethane with UV stabilizer

Corrosion Test Results

Kesternich: 30 Cycles
Salt Spray: 1,000 Hours

DISCLAIMER

All test results & fastener recommendations are base on laboratory conditions. Because actual job site conditions vary and are uncontrollable by TFC, we assume no liability for the use of this information.

Paint Specification



Wet Paint System (Standard)

Specifications

Material Type: Gloss Enamel 85 units minimum at 60 degrees Exterior Catalyst
Thickness: 1.6 - 2.0 mils
Adhesion: ASTM D 3359 - Excellent
No Peeling or Removal
Impact Resistance: ASTM D 2794 Good: >10 in. lbs.
Abrasion Resistance: ASTM D 4060 Good
Corrosion Resistance: Salt Spray - 1,000 hrs
Kesternich - 30 cycles (>5% Red Rust)

Pullout Test Results

| Material Type and Thickness | Density (Aproximate) lbs/cu.ft | Ebedment Depth | Pullout Load (Ultimate Ave.) |
|-----------------------------|--------------------------------|----------------|------------------------------|
| 1/2" Plywood | 29.21 | full | 230 |
| 5/8" Plywood | 29.4 | full | 340 |
| 3/4" Plywood | 30.8 | full | 480 |
| 2X - SYP Treated | 33 | 1" | 840 |
| 2X - DF Construction | 23 | 1" | 670 |
| 2X - DF Structural | 35 | 1" | 870 |
| 2X - SFF S Dry Constr. | 25 | 1" | 660 |

Sheet Pullover Test Results

| 12mm (.472") O.D. BOND-SEALER Washer | | | |
|--------------------------------------|---------------|---------------|---------------|
| Sheet Thickness | 24 ga (24mil) | 26 ga (18mil) | 28 ga (15mil) |
| Pullover Load (Ultimate Ave.) | 704 lbs. | 519 lbs. | 378 lbs. |

High Performance Paint for Fasteners



Powder Coating Available

Specifications

Material Type: Polyester TGIC Series 49 semigloss
Thickness: 2.5 - 3.5 mils / 60-90 microns
Gloss: 55% ±5% (ASTM D 253)
Adhesion: Cross hatch test per ASTM D 3359 - Method B
Impact: Up to 160in/lbs per ASTM D 279-90 - 1/10 distortion
Pencil Hardness: 2H minimum per ASTM B 3363
Corrosion Resistance:
Salt Spray 2,000 hrs minimum per ASTM B 117-90
Humidity: 2,000 hrs minimum per ASTM B 244-87
Kesternich: 30 Cycles min per DIN 50018

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