

WeatherBond

HPWX Fasteners and HPWX Plates



Overview

WeatherBond HPWX Fasteners are used with HPWX Fastening Plates to secure WeatherBond TPO and WeatherBond PVC roofing systems to 20- and 22-gauge steel decks or minimum $1\frac{1}{2}$ " CDX plywood decks. HPWX Fasteners are #15 steel-threaded fasteners that offer excellent driving and pull-out performance and outstanding resistance to back-out and corrosion. HPWX Plates are 2 $\frac{3}{8}$ "- diameter, 20-gauge steel plates with 12 barbs that provide increased slip resistance of membrane during uplift conditions.

Features and Benefits

- One #3 Phillips screwdriver bit is included in each bucket
- 12 threads per inch increase thread engagement and provide additional back-out resistance
- Mini drill-point design cuts a hole in the steel deck, maintaining contact between the deck and the minor diameter of the fastener for increased back-out resistance
- Black epoxy electro-deposition coating provides excellent corrosion resistance, surpassing the FM 4470 corrosion test of less than 15% red rust after 15 cycles in the Kesternich cabinet

Installation

No pre-drilling is necessary for wood and steel decks. Simply insert the HPWX Fastener through the HPWX plate and install with a standard clutch drive electric screw gun (0–2500 rpm). Optimal fastener performance is achieved when the fastener is installed perpendicular to and into the top flutes of a steel deck.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Precautions

1. Eye protection is recommended during installation.
2. Use care to avoid over-torquing the fastener.

Typical Properties and Characteristics

	Steel Deck 22 Gauge or 20 Gauge	Wood Deck Min $1\frac{1}{2}$ "
Typical Pull-out Value	710 lbf (3158 N) 22 gauge	375 lbf. (1668 N)
Minimum Penetration	$\frac{3}{4}$ " (19 mm)	1" (25 mm)
Maximum Penetration	4" (100 mm)	4" (100 mm)
Typical Static Back-out	15.1 in lbs (1.7 N-m)	N/A
Typical Drill Times	1.5 seconds (20 gauge)	N/A

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

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