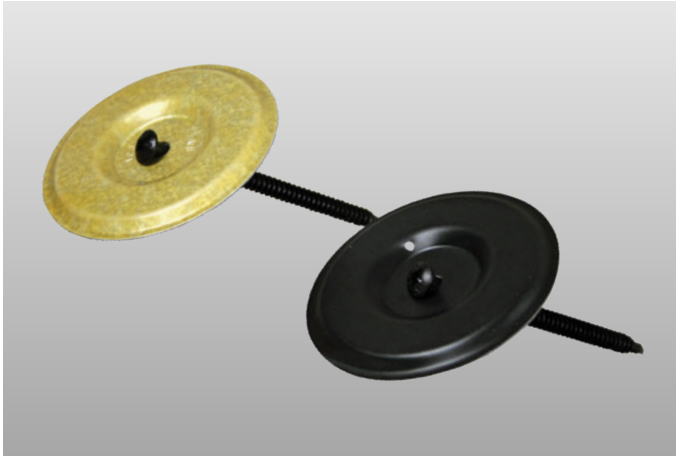


HPVX Fasteners and RhinoBond® Plates



Overview

Versico HPVX Fasteners are used with Versico's TPO or PVC RhinoBond Fastening Plates to secure VersiWeld® TPO and VersiFlex™ PVC roofing membranes. The HPVX Fastener may be used on 20-gauge (0.91 mm) or 22-gauge (0.76 mm) steel or wood decks (minimum 1⁵/₃₂" [12 mm] CDX plywood). The HPVX Fastener is designed to offer an optimum combination of driving performance, back-out and corrosion resistance with excellent pullout values. The RhinoBond TPO or PVC Fastening Plate is designed to attach the roofing membrane from the underside using the RhinoBond induction-welding tool.

Features and Benefits

- Reduces the number of fasteners and plates compared with conventional mechanically attached applications
- No perimeter sheets required
- Faster dry-in time
- Non-penetrating system
- Even load distribution across membrane

Installation

No pre-drilling is necessary for wood and steel decks. Simply insert the HPVX Fastener through the Versico RhinoBond plate and install with a standard clutch drive electric screw gun (0-2500 rpm). Optimum fastener performance is achieved when the fastener is installed perpendicular to the deck and into the top flutes of a steel deck. Follow RhinoBond System installation instructions to attach the membrane to the installed plate using the RhinoBond portable induction tool. Keep insulation substrate and membrane clean. Any debris on top of the insulation substrate and/or membrane should be removed prior to initiating the induction welding process. Use a leaf blower or broom to eliminate any debris from the membrane surface.

Keep magnets clean. If a metal shard or other debris from the roof sticks to the magnet, it can cause damage to the membrane surface in the weld area. Periodically ensure there are no contaminants on the bottom side of the magnet.

REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Precautions

- Eye protection is recommended during installation.
- Use care to avoid over-torquing the fastener.
- Do not expose plates to UV for extended periods.

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Typical Properties and Characteristics

| Fasteners | | | |
|--------------------|----------------------|-----------------------------|------------------------------|
| Size – Inches (mm) | Weight/Carton – (Kg) | Thread Length – Inches (mm) | Packaging – Fasteners/Carton |
| 2 (50) | 20 lbs (9.1) | Full | 1,000 |
| 3 (80) | 29 lbs (13.1) | 3 (75) | 1,000 |
| 4 (110) | 38 lbs (17.2) | 4 (100) | 1,000 |
| 5 (130) | 47 lbs (21.3) | 4 (100) | 500 |
| 6 (150) | 56 lbs (25.4) | 4 (100) | 500 |
| 7 (175) | 33 lbs (15.0) | 4 (100) | 500 |
| 8 (200) | 38 lbs (17.2) | 4 (100) | 500 |
| 10 (250) | 46 lbs (20.9) | 4 (100) | 500 |
| 12 (300) | 55 lbs (24.9) | 4 (100) | 500 |
| 14 (355) | 65 lbs (29.5) | 4 (100) | 500 |
| Plates | | | |
| 3 1/8 (80) | 36 lbs (16.0) | – | 500 |

| | Steel Deck 22 Gauge or 20 Gauge | Wood Deck Min. 1 5/32" |
|-------------------------|------------------------------------|---------------------------|
| Typical Pull-out Value | 710 lbf (3158 N) 22 gauge | 375 lbf (1668 N) |
| Minimum Penetration | 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.



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