

Polymer GypTec® Fasteners and Plates



Overview

Fasteners

Versico's Polymer GypTec® Fasteners are glass-filled nylon auger fasteners with a 1" (25 mm) head. Designed to secure insulation and single-ply membrane to gypsum and cementitious wood fiber, Polymer GypTec Fasteners feature a wide buttress thread design for excellent pull-out resistance, and tabs that lock the plate to the head of the fastener. Available in 2½ – 12" (60 – 305 mm) lengths, an internal ¼" (6 mm) square drive ensures fast and easy installation.

Plates

Polymer GypTec Fasteners are used with 3" (26-gauge) steel GypTec plates for insulation attachment and 2" (22-gauge) steel GypTec Plates for membrane attachment. GypTec Plates are stamped from Galvalume-coated steel for long-term protection against corrosion, and their round design provides an even distribution of loads and eliminates sharp corners that can damage the insulation or membrane.

Features and Benefits

- Thread design and large root diameter increase pull-out resistance and side shear strength
- Made from glass-filled nylon, which yields high tensile strength and eliminates corrosion, thermal bridging, and condensation
- FM approved for insulation attachment

Installation

1. A pilot hole is required for gypsum. Use a 7/16, ½, or 9/16" (11, 13, or 14 mm) drill bit as determined by pull-out test results. Pilot holes must be a minimum ½" (13 mm) deeper than embedment.
2. Polymer GypTec Fasteners should be installed using a heavy-duty variable-speed screw gun. Installation at a low RPM is recommended.
3. Minimum fastener embedment into the deck should be 1½" (38 mm). 2" (50 mm) embedment is recommended.

REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Precautions

1. A pull out test is required prior to job start up.
2. Overdriving the fastener can cause damage to insulation facers and weaken securement.
3. Eye protection is recommended during drilling and installation.

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Packaging Information – Polymer GypTec Fasteners

Size – Inches (mm)	Weight/Carton (Kg)	Packaging Fasteners/Carton	Thread Length – Inches (mm)
2½ (60)	13 lbs (5.90)	500	1½ (38)
3 (75)	16 lbs (7.26)	500	2¼ (57)
3½ (90)	18 lbs (8.17)	500	2¼ (57)
4 (100)	20 lbs (9.08)	500	2¼ (57)
4½ (115)	22 lbs (9.98)	500	2¼ (57)
5 (125)	23 lbs (10.44)	500	2¼ (57)
5½ (140)	24 lbs (10.89)	500	2¼ (57)
6 (150)	26 lbs (11.80)	500	2¼ (57)
6½ (165)	28 lbs (12.71)	500	2¼ (57)
7 (175)	30 lbs (13.62)	500	2¼ (57)
7½ (190)	32 lbs (14.52)	500	2¼ (57)
8 (200)	17 lbs (7.71)	250	2¼ (57)
8½ (215)	19 lbs (8.62)	250	2¼ (57)
9 (230)	20 lbs (9.08)	250	2¼ (57)
9½ (240)	21 lbs (9.53)	250	2¼ (57)
10 (255)	22 lbs (9.98)	250	2¼ (57)
10½ (265)	23 lbs (10.44)	250	2¼ (57)
11 (280)	24 lbs (10.89)	250	2¼ (57)
11½ (290)	25 lbs (11.35)	250	2¼ (57)
12 (305)	26 lbs (11.80)	250	2¼ (57)

Packaging Information – GypTec Plates

Plate Size	Used for	Plates/Carton	Weight/Carton – Pounds (Kg)
2"	Membrane attachment	1,000	30 (14)
3"	Insulation attachment	1,000	46 (21)

Typical Properties and Characteristics

Head	1" (25 mm) diameter Internal ¼" (6 mm) square drive
Thread	.675" (15.12 mm) diameter 3.5 T.P.I. buttress
Material	Glass-filled nylon
Coating	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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