

Polymer GypTec® Fasteners and Plates



Overview

Fasteners

Carlisle'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 Carlisle specifications and details for complete installation information.

Precautions

- » A pull out test is required prior to job start up.
- » Overdriving the fastener can cause damage to insulation facers and weaken securement.
- » 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)
2 ½ (60)	13 lbs (5.90)	500	1 ½ (38)
3 (75)	16 lbs (7.26)	500	2 ¼ (57)
3 ½ (90)	18 lbs (8.17)	500	2 ¼ (57)
4 (100)	20 lbs (9.08)	500	2 ¼ (57)
4 ½ (115)	22 lbs (9.98)	500	2 ¼ (57)
5 (125)	23 lbs (10.44)	500	2 ¼ (57)
5 ½ (140)	24 lbs (10.89)	500	2 ¼ (57)
6 (150)	26 lbs (11.80)	500	2 ¼ (57)
6 ½ (165)	28 lbs (12.71)	500	2 ¼ (57)
7 (175)	30 lbs (13.62)	500	2 ¼ (57)
7 ½ (190)	32 lbs (14.52)	500	2 ¼ (57)
8 (200)	17 lbs (7.71)	250	2 ¼ (57)
8 ½ (215)	19 lbs (8.62)	250	2 ¼ (57)
9 (230)	20 lbs (9.08)	250	2 ¼ (57)
9 ½ (240)	21 lbs (9.53)	250	2 ¼ (57)
10 (255)	22 lbs (9.98)	250	2 ¼ (57)
10 ½ (265)	23 lbs (10.44)	250	2 ¼ (57)
11 (280)	24 lbs (10.89)	250	2 ¼ (57)
11 ½ (290)	25 lbs (11.35)	250	2 ¼ (57)
12 (305)	26 lbs (11.80)	250	2 ¼ (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.