



Polymer GypTec® Fastener

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The OMG Polymer GypTec® Fastener is a glass-filled nylon auger fastener with a 25 mm (1-in.) head designed to secure insulation and single-ply membrane to gypsum and cementitious wood fiber (i.e., Insulrock®, Permadeck, Tectum®, etc.).

The fastener features a wide buttress thread design for excellent pull-out resistance, and tabs that lock the plate to the head of the fastener. The Polymer GypTec Fastener is designed to thread into the substrate but should not penetrate the deck. An internal 6 mm (¼-in.) square drive assures fast and easy installation.

The Polymer GypTec is used with 75 mm (3-in.) steel plates for insulation and 50 mm (2-in.) steel plates for membrane attachment. The Polymer GypTec fastener is Factory Mutual approved and available in lengths from 60 to 305 mm (2.5-in. to 12-in.).

FEATURES & BENEFITS

- Thread design and large root diameter:
 - Increase pullout resistance
 - Increase side shear strength
- Made from glass-filled nylon, which:
 - Eliminates corrosion
 - Eliminates thermal bridging and condensation
 - Yields high tensile strength
- Non-penetrating design. Fastener threads into the deck but not through.
- The OMG Polymer GypTec Fastener is **FM approved for insulation attachment only**. See system manufacturer for membrane attachment requirements

APPROVALS



APPLICATION

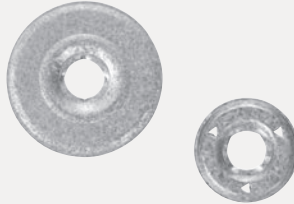
OMG Polymer GypTec Fasteners can be installed into some cementitious wood fiber decks without predrilling. A pilot hole is required for gypsum. Use a 11, 13 or 14 mm (7/16, 1/2 or 9/16-in.) drill bit as determined by pullout test results. Pilot holes must be a minimum of 13 mm (½-in.) deeper than embedment. Polymer GypTec fasteners should be installed using a heavy duty variable speed screw gun. Installation at a low RPM is recommended.

Minimum fastener embedment into the deck should be 38 mm (1½-in.) (50 mm [2-in.] recommended).

Note: Prior to job bid, contact OMG to perform a pullout test to determine drill bit size and the pullout values. Overdriving the fastener can cause damage to the insulation facer.

PLATES & ACCESSORIES

Use 75 mm (3-in.) steel plate for insulation attachment. Use 50 mm (2-in.) steel plate for single-ply membrane attachment.



PILOT HOLES

Use a carbide tip drill bit for gypsum and cementitious wood fiber applications.

Factory Mutual listings refer to these products as Polymer GypTec Fastener, 3-in. Polymer GypTec Insulation Plate and Polymer GypTec Metal Plate.



USE WITH
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PHYSICAL DATA*

The data below is constant for each Polymer GypTec fastener.

HEAD		THREAD	
25 mm (1") Diameter	Internal 6 mm (¼") Square Drive	17 mm (.675") Diameter	3.5 T.P.I. Buttress
MATERIAL		COATING	
Glass-Filled Nylon		NA	

ORDERING INFORMATION

CAT. NO.	LENGTH MM (IN)	THREAD MM (IN)	PKG QTY	WEIGHT KG (LBS)
GYPTec025	60 (2.5)	38 (1.5)	500	5.90 (13)
GYPTec030	75 (3)	57 (2.25)	500	7.26 (16)
GYPTec035	90 (3.5)	57 (2.25)	500	8.17 (18)
GYPTec040	100 (4)	57 (2.25)	500	9.08 (20)
GYPTec045	115 (4.5)	57 (2.25)	500	9.98 (22)
GYPTec050	125 (5)	57 (2.25)	500	10.44 (23)
GYPTec055	140 (5.5)	57 (2.25)	500	10.89 (24)
GYPTec060	150 (6)	57 (2.25)	500	11.80 (26)
GYPTec065	165 (6.5)	57 (2.25)	500	12.71 (28)
GYPTec070	175 (7)	57 (2.25)	500	13.62 (30)
GYPTec075	190 (7.5)	57 (2.25)	500	14.52 (32)
GYPTec080	200 (8)	57 (2.25)	250	7.71 (17)
GYPTec085	215 (8.5)	57 (2.25)	250	8.62 (19)
GYPTec090	230 (9)	57 (2.25)	250	9.08 (20)
GYPTec095	240 (9.5)	57 (2.25)	250	9.53 (21)
GYPTec100	255 (10)	57 (2.25)	250	9.98 (22)
GYPTec105	265 (10.5)	57 (2.25)	250	10.44 (23)
GYPTec110	280 (11)	57 (2.25)	250	10.89 (24)
GYPTec115	290 (11.5)	57 (2.25)	250	11.35 (25)
GYPTec120	305 (12)	57 (2.25)	250	11.80 (26)
PLATES	SIZE		PKG QTY	WEIGHT KG (LBS)
SPGYPTec2	50 (2)	N/A	1000	13.62 (30)
SPGYPTec75	75 (3)	N/A	1000	20.88 (46)

*All sizes are nominal.



ROOFING PRODUCTS

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