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PRODUCT DATA SHEET

GenFast™ GypTec Fastener

DESCRIPTION

GenFast™ GypTec Fastener is a glass-filled nylon auger type fastener with a 1 inch (25.4 mm) head designed to secure GenFlex insulation and membrane to cementitious wood fiber (i.e., Tectum) or gypsum decks. The fastener features a wide buttress thread design for excellent pullout resistance and tabs that lock the plate to the head of the fastener. The fastener is designed to thread into the substrate but should not penetrate the deck. An internal ¼" (6.4 mm) square drive assures fast and easy installation.

The fastener is used with 3" (76.2 mm) steel insulation plates and 2" (50.8 mm) seam plates for membrane attachment. The GenFast GypTec Fastener is Factory Mutual (FM) approved and is available in lengths from 2 ½" to 12" (63.5 to 304.8 mm).



PHYSICAL PROPERTIES

PROPERTY	MINIMUM PERFORMANCE
Material	Glass-Filled Nylon
Diameter & Thread	0.675" (17.15 mm)
Head Style	Internal ¼" (6.4 mm) Square Drive

INSTALLATION

GenFast GypTec Fasteners can be installed into some cementitious wood fiber decks with pre-drilling, however a pilot hole is required for gypsum decks. Use a 7/16", ½" or 9/16" drill bit as determined by the pull test results. Pilot holes must be a minimum of ¼" to ½" (6.4 to 12.7 mm) deeper than the embedment of the fastener. GypTec fasteners should be installed using a heavy duty variable speed screw gun.

Minimum required embedment for GenFlex GypTec Fastener is 1 ½" (38 mm) into the deck material (2" (50.8 mm) recommended). The fasteners should never penetrate the underside of the deck.

Cementitious Wood Fiber Decks – To install GenFast GypTec Fasteners into cementitious wood fiber decks, simply position and drive the fastener through the plate into the deck.

Gypsum Deck – Pre-drill a 7/16" (11.1 mm), ½" (12.7 mm), or 9/16" (14.3 mm) pilot hole is required. The pilot hole should be ¼" to ½" (6.4 to 12.7 mm) deeper than the required embedment into the deck.

Prior to job bid, contact GenFlex to perform pullout tests to determine drill bit size and the pullout values. Overdriving the fastener can cause damage to the insulation facer. Use a carbide tip drill bit for gypsum and cementitious wood fiber applications (1/4" (6.4 mm) Driver bit is included in every bucket of GenFast GypTec Fasteners).

Pullout Values - Results will vary depending on condition of deck. Verify pullout by onsite testing with a minimum 1.5" (38.1 mm) penetration into the deck.

- New Cementitious Wood Fiber Decks with 2" (50.8 mm) fastener embedment achieve 400 lb (181.4 kg) typical.
- New Gypsum Decks with 2" (50.8 mm) fastener embedment achieve 500 lb (226.8 kg) typical.

INSTALLATION PRECAUTIONS

Eye protection must be worn during installation of the fasteners to prevent injury.

Care should be used when handling and/or transporting buckets of fasteners.

Overdriving the fastener can cause damage to the insulation facer.

Fasteners should never penetrate through the underside of the deck.

PRODUCT DATA

FASTENER LENGTH	THREAD LENGTH	Qty/Bkt	Product #
2 ½" (63.5 mm)	1.5" (38.1 mm)	500	W590051300
3" (76.2 mm)	2" (50.8 mm)	500	W590051301
3 ½" (88.9 mm)	2" (50.8 mm)	500	W590051302
4" (101.6 mm)	2" (50.8 mm)	500	W590051303
4 ½" (114.3 mm)	2" (50.8 mm)	500	W590051304
5" (127.0 mm)	2" (50.8 mm)	500	W590051305
5 ½" (139.7 mm)	2" (50.8 mm)	500	W590051306
6" (152.4 mm)	2" (50.8 mm)	500	W590051307
6 ½" (165.1 mm)	2" (50.8 mm)	500	W590051308
7" (177.8 mm)	2" (50.8 mm)	500	W590051309
7 ½" (190.5 mm)	2" (50.8 mm)	500	W590051310
8" (203.2 mm)	2" (50.8 mm)	250	W590051311
8 ½" (215.9 mm)	2" (50.8 mm)	250	W590051312
9" (228.6 mm)	2" (50.8 mm)	250	W590051313
9 ½" (241.3 mm)	2" (50.8 mm)	250	W590051314
10" (254.0 mm)	2" (50.8 mm)	250	W590051315
10 ½" (266.7 mm)	2" (50.8 mm)	250	W590051316
11" (279.4 mm)	2" (50.8 mm)	250	W590051317
11 ½" (292.1 mm)	2" (50.8 mm)	250	W590051318
12" (304.8 mm)	2" (50.8 mm)	250	W590051319

LEED INFORMATION

Recycled Content

Post Consumer	0%
Post Industrial	0%

STORAGE

Fasteners should be protected from moisture and kept dry at all times. If stored out of doors, place on skids in a dry area and cover with a breathable tarp.

SHELF LIFE

Not applicable.

PRECAUTIONARY DATA

Refer to Material Safety Data Sheet for additional information.