

# Product Data Sheet



## GenFast™ GypTec Fastener

Item Description	Item Number	Item Description	Item Number
2½" (63.5 mm)	W590051300	7½" (190.5 mm)	W590051310
3" (76.2 mm)	W590051301	8" (203.2 mm)	W590051311
3½" (88.9 mm)	W590051302	8½" (215.9 mm)	W590051312
4" (101.6 mm)	W590051303	9" (228.6 mm)	W590051313
4½" (114.3 mm)	W590051304	9½" (241.3 mm)	W590051314
5" (127 mm)	W590051305	10" (254.0 mm)	W590051315
5½" (139.7 mm)	W590051306	10½" (266.7 mm)	W590051316
6" (152.4 mm)	W590051307	11" (279.4 mm)	W590051317
6½" (165.1 mm)	W590051308	11½" (292.1 mm)	W590051318
7" (177.8 mm)	W590051309	12" (304.8 mm)	W590051319

### Description

GenFast GypTec Fastener is a glass-filled nylon auger type fastener with a 1" (25.4 mm) head designed to secure GenFlex insulation, base sheets and selected roof components into cementitious wood fiber or gypsum decks. This fastener is not intended to be used for in-seam attachment of single-ply membrane. 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 underside of 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 2½" to 12" (63.5 to 304.8 mm).

### Method of Application

GenFast GypTec Fasteners can be installed into some cementitious wood fiber decks with per-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 1½" (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 (¼" (6.4 mm) driver bit is included in every bucket of GenFast GypTec Fasteners).

## Method of Application Continued

**Pullout Values** – Results will vary depending on the condition of the 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) fasteners 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.

## Storage

- Fasteners should be protected from moisture and always kept dry.
- If stored outdoors, place on skids in a dry area and cover with a breathable tarp.

## Precautions

Refer to Safety Data Sheet (SDS) for additional information.

## LEED® Information

Post-Consumer Recycled Content: 0%

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Typical Properties	
Property	Typical Value
Material	Glass-Filled Nylon
Color	Black
Diameter & Thread	0.675" (15.15 mm)
Head Style	Internal ¼" (6.4 mm) Square Drive

Product Data			
Fastener Length	Thread Length	Quantity per Bucket	Product #
2½" (63.5 mm)	1.5" (38.1 mm)	500	W590051300
3" (76.2 mm)	2" (50.8 mm)	500	W590051301
3½" (88.9mm)	2" (50.8 mm)	500	W590051302
4" (101.6 mm)	2" (50.8 mm)	500	W590051303
4½" (114.3 mm)	2" (50.8 mm)	500	W590051304
5" (127 mm)	2" (50.8 mm)	500	W590051305
5½" (139.7 mm)	2" (50.8 mm)	500	W590051306
6" (152.4 mm)	2" (50.8 mm)	500	W590051307
6½" (165.1 mm)	2" (50.8 mm)	500	W590051308
7" (177.8 mm)	2" (50.8 mm)	500	W590051309
7½" (190.5 mm)	2" (50.8 mm)	500	W590051310
8" (203.2 mm)	2" (50.8 mm)	250	W590051311
8½" (215.9 mm)	2" (50.8 mm)	250	W590051312
9" (228.6 mm)	2" (50.8 mm)	250	W590051313
9½" (241.35 mm)	2" (50.8 mm)	250	W590051314
10" (254 mm)	2" (50.8 mm)	250	W590051315
10½" (266.7 mm)	2" (50.8 mm)	250	W590051316
11" (279.4 mm)	2" (50.8 mm)	250	W590051317
11½" (292.1 mm)	2" (50.8 mm)	250	W590051318
12" (304.8 mm)	2" (50.8 mm)	250	W590051319

Please contact Amrize Technical Services at 800-428-4511 for further information.

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