

Product Data Sheet



GenFast™ #12 Fastener

Item Description	Item Number
1 5/8"	W590051200
2 1/4"	W590051200
3"	W590051200
4"	W590051200
5"	W590051200
6"	W590051200
7"	W590051200
8"	W590051200

Description

GenFast #12 Fasteners may be used in any GenFlex system for attachment of roofing insulation using GenFlex 3" Insulation Plates to steel and wood roof decks. GenFast #12 Fasteners cannot be used to secure or attach membrane systems to approved decks.

GenFlex GenFast Insulation Fasteners are manufactured to conform to the physical property requirements of Factory Mutual Specification #4470.

Method of Application

- GenFast #12 Fasteners can be installed using a #3 Phillips tip provided with every bucket and a variable speed drill. Each fastener must be installed in combination with a GenFlex 3" Round Insulation Plate taking care not to over or under drive the fastener. Threads from the fastener must engage and penetrate the decking material per current GenFlex Technical Specifications. Fastener length can be determined by using the following deck penetration requirements:
 - Steel Deck: Minimum of 3/4" (19.1 mm) required penetration
 - Wood Deck: Minimum of 1" (25 mm) required penetration
 - Concrete Deck: Not Acceptable
- Each fastener must be installed in combination with the appropriate plate taking care not to over or under drive the fastener.
- Threads from the fastener must engage and penetrate the decking material per GenFlex current Technical Specifications.
- Check current GenFlex specifications for exceptions and/or changes.

Storage

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

Precautions

- Eye protection is recommended when installing the fasteners.
- Refer to Safety Data Sheet (SDS) for additional information.



LEED® Information

Post-Consumer Recycled Content: 25%

Post Industrial Recycled Content: 0%

NOTE: LEED® is a registered trademark of the U.S. Green Building Council

Typical Properties	
Property	Typical Value
Material	SAE 1022 Heat Treated Steel
Color	Grey
Diameter	Nominal 0.2135" (5.42 mm): Major Diameter: 15½" Thread
Thread	Modified Buttress
Head Style	Deep #3 Phillips Pan Head
Head Outside Diameter	0.448" (11.4 mm)
Corrosion Coating	CR-10
Fastener Tip	Drill Point Design

Packaging		
Screw Length	Thread Length	Pieces/Bucket
1⅝" (41.3 mm)	1⅜" (35 mm)	1000
1¼" (57 mm)	1⅝" (47.6 mm)	1000
3" (76 mm)	3" (76 mm)	1000
4" (101.6 mm)	3" 76 mm)	1000
5" (127 mm)	3½" (88.9 mm)	1000
6" (152 mm)	3½" (88.9 mm)	1000
7" (178 mm)	3½" (88.9 mm)	1000
8" (203 mm)	3½" (88.9 mm)	1000

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

This sheet is meant to highlight GenFlex products and specifications and is subject to change without notice. Amrize takes responsibility for furnishing quality materials that meet published GenFlex product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Amrize nor its representatives practice architecture. Amrize offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Amrize accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Amrize representative is authorized to vary this disclaimer.