

Product Description

Kingspan #12 Fasteners feature a #3 Phillips Truss Head with a drill point tip and are used to attach Kingspan ISO GF and ISO CG insulations or Kingspan ISO CG HD and DensDeck® cover boards to wood or steel (18 to 24-gauge) roof decks using the Kingspan Square Insulation Plate.



Manufactured in the U.S.A.

All Kingspan #12 Fasteners are manufactured in the U.S.A. with globally sourced materials.



Features & Benefits

- **Strong Pullout Resistance:** features a deep buttress thread for high pullout resistance.
- **Engineered for Lasting Performance:** heavier shank & thread diameters than most standard #12 roofing fasteners.
- **Fast Installation:** extra sharp drill point supports quick installation in new or reroof applications.
- **FM Approved:** corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and EAD 030351-00-0402.
- Available in 1-5/8" to 8" lengths.
- **Approved for use in warranted Kingspan TPO Roofing Systems.**

Codes & Approvals



System Installation Options

- **Mechanically Attached System** – in this system, Kingspan #12 Fasteners may be used to secure the insulation to the roofing deck. Kingspan #12 Fasteners are not approved for membrane attachment.
- **Fully-Adhered System** – attachment method where a Kingspan bonding adhesive is used to adhere the Kingspan TPO membrane to the insulation or cover board. Depending on the system approvals, Kingspan #12 Fasteners may also be used to secure the first layer of insulation, and the remaining insulation and membrane materials are adhered using Kingspan Low-Rise Foam Adhesive and bonding adhesive, respectively.

Application

- Using #3 Phillips drive bit provided in bucket, install fastener perpendicular to the roof through the Kingspan Square Insulation Plate and into wood or steel roof decks using a clutch driven variable speed screw gun (0-2500 rpm).
- Kingspan #12 Fasteners must penetrate steel decks a minimum of 3/4-in., wood plank decks a minimum of 1-in., and plywood a minimum of 1/2-in. Factory Mutual requires Kingspan #12 Fasteners penetrate the top flute of steel decks.
- Refer to the Kingspan TPO Roofing System Application Guide to ensure installation in accordance with Kingspan's TPO specifications and requirements.

Application (continued)

- **Disclaimer:** The strength of different roof decks can vary widely and can be adversely affected by moisture and other conditions. Therefore, it is recommended that a fastener pull test be conducted to help evaluate deck condition and fastener suitability. Please reach out to your local Kingspan sales contact to schedule a pull test.

Safety Precautions

- Use proper equipment and assistance when moving, lifting, handling, or transporting Kingspan #12 Fastener buckets to avoid personal injury as well as damage to the materials.
- Protective eyewear must be worn during installation of Kingspan Fastener products.
- Reference the Kingspan product Safety Data Sheet for additional safety information.

Product Information

SKU	Fastener Length	Thread Length	Pieces per Bucket	Bucket Weight
600000001030	1-5/8" (40 mm)	Full	1,000	12 lbs. (5.5 kg)
600000001308	2-1/4" (55 mm)	Full	1,000	16 lbs. (7.3 kg)
600000001309	3" (75 mm)	Full	1,000	24 lbs. (10.9 kg)
600000001310	4" (100 mm)	3" (75 mm)	1,000	28 lbs. (12.7 kg)
600000001311	5" (125 mm)	3" (75 mm)	1,000	35 lbs. (15.9 kg)
600000001312	6" (150 mm)	4" (100 mm)	1,000	40 lbs. (18.2 kg)
600000001313	7" (175 mm)	4" (100 mm)	1,000	48 lbs. (21.8 kg)
600000001314	8" (200 mm)	4" (100 mm)	1,000	50 lbs. (22.7 kg)

* All sizes are nominal.

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For the product offering in other markets please contact your local sales representative.

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Storage

- Store Kingspan #12 Fasteners away from objects that could cause physical damage.

LEED® Information

- Recycled Content:
 - Post-Consumer: 25% material by weight.

Typical Properties

Property	Typical Performance
Fastener Head	#3 Phillips Truss Head
Fastener Head Size	.435" (11.0 mm) Diameter
Thread Size	.220" (5.6 mm) Diameter
Shank	.160" (4.0 mm) Diameter
Fastener Tip	Drill point
Corrosion Resistance	Passes the corrosion requirements of FM Approval Standard 4470 and EAD030351-00-0402.

