

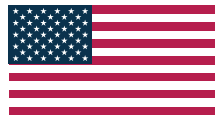
Product Description

The Kingspan Purlin Fastener is a durable, steel-coated fastener designed for attaching Kingspan membranes to 12-18-gauge structural steel purlins in standing seam metal roof retrofit applications.

Manufactured in the U.S.A.



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



Features & Benefits

- **Designed for Long-Term Performance:** features a #3 Square Drive Truss Head engineered with a low-profile, smooth head to prevent damage to the Kingspan TPO membrane.
- **Fast Installation:** steel-coated fastener with a 1/2" drill point for easy and quick installation.
- **Compatible with structural steel purlins** - 12-18-gauge.
- **FM Approved:** corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and EAD 030351-00-0402.
- Available in 4"-8", 10", and 12" lengths. Fastener counts per carton vary by size.
- **Approved for use in warranted Kingspan TPO Roofing Systems.**

Codes & Approvals

System Installation Options



- **Mechanically Attached System** – attachment method whereby Kingspan Purlin Fasteners and Kingspan Barbed Seam Plates are used to attach the membrane to the structural steel purlins in accordance with Kingspan’s specification.
- **Induction-Welded** – whereby the Kingspan TPO membrane and insulation is mechanically attached to structural steel purlins using Kingspan Purlin Fasteners and the Kingspan TPO Induction Welding Plates. Once the plates are mechanically attached, the installer welds the TPO membrane to the TPO Induction Welding Plates, expediting the membrane installation over standard seam plate attachment.

Application

- Using #3 square drive bit provided in each bucket, install fastener through plate and insulation into steel purlin using a clutch driven variable speed screw gun (0-1800 rpm). Fastener should be installed perpendicular to the purlin.
- Purlins or bar joists greater than 12 ga. with high hardness or tensile strength may require pre-drilling.
- Kingspan Purlin Fasteners must penetrate steel purlins a minimum of 1-in.
- For best installation results, use a high torque, low Revolutions Per Minute (RPM) screw gun with a maximum of 1800 RPM. Drive the fastener through the purlin until a slight depression is seen around the plate.

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 Purlin 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.

Storage

Product Information

SKU	Fastener Length	Thread Length	Pieces per Bucket	Bucket Weight
600000001360	4" (100 mm)	3" (75 mm)	500	19 lbs. (8.6 kg)
600000001327	5" (125 mm)	3" (75 mm)	500	21 lbs. (9.5 kg)
600000001328	6" (150 mm)	3" (75 mm)	500	25 lbs. (11.4 kg)
600000001329	7" (175 mm)	3" (75 mm)	500	31 lbs. (14.1 kg)
600000001330	8" (200 mm)	3" (75 mm)	500	32 lbs. (14.5 kg)
600000001331	10" (255 mm)	3" (75 mm)	500	40 lbs. (18.2 kg)
600000001332	12" (305 mm)	3" (75 mm)	250	27 lbs. (12.3 kg)

* All sizes are nominal.

- Store Kingspan Purlin 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 Square Drive Truss Head
Fastener Head Size	.425" (10.8 mm) Diameter
Thread Size	.230" (5.8 mm) Diameter
Shank	.194" (4.9 mm) Diameter
Fastener Tip	Drill point
Corrosion Resistance	Passes the corrosion requirements of FM Approval Standard 4470 and EAD030351-00-0402.

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

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