

### Product Description

The Kingspan Lite Deck Fasteners are threaded speciality fasteners designed to secure Kingspan membranes, polyiso insulation, and approved cover boards to lightweight-structural concrete, gypsum, and cementitious wood fiber decks. Used in conjunction with Kingspan Lite Deck Plates for polyiso and cover board attachment, and Kingspan Lite Deck Batten Strip for membrane securement.



### Manufactured in the U.S.A.

Kingspan Lite Deck Fasteners are manufactured in the U.S.A. with globally sourced materials.



### Features & Benefits

- Designed with deep, coarse thread profile for high pullout resistance
- **Requires no Predrilling:** when installed into cementitious wood fiber decks.
- **Reliable Installation Performance:** Innovative 6-Lobe (T40) drive flat head design minimizes cam-outs.
- **FM Approved Assemblies** available.\*
- Corrosion resistant coating passes the requirements of FM Standard 4470 and EAD 030351-00-0402.
- **Available Fastener Lengths:** 2 5/8-in., 3-in. to 10-in. (1-in. increments), and 12-in.

\*The Lite-Deck Fastener is only FM approved for use with Lite-Deck insulation plates for adhered and insulation securement applications. FM does not approve mechanically attached systems into Tectum or Gypsum. Always consult with roof system manufacturer for the latest approval ratings.

### Codes & Approvals



### Application

- Prior to job start, a pullout test should be performed to determine sufficient pullout values. Contact Kingspan Roofing + Waterproofing for assistance in setting this up.
- Note: A T40 drill bit is included in every box of Kingspan Lite Deck Fasteners to support installation.
- The Kingspan Lite Deck Fastener can be installed into cementitious wood fiber decks without pre-drilling; however, a pilot hole is required for gypsum. Appropriate pre-drill hole size is determined by pullout results.
- The Kingspan Lite Deck Fastener must penetrate the deck a minimum of 2 inches.
- For insulation and cover board installation, use a screw gun with a T40 drill bit to install the Lite Deck Fastener with the Lite Deck Plate until a slight depression is seen around the plate, or if installing very rigid insulation boards, watch for the plate to dimple. Take care not to overdrive the fastener causing damage to the insulation facer. The fastener must be tight enough so that the plate does not turn.
- For membrane installation, use a screw gun with a T40 drill bit to install the Lite Deck Fastener through the pre-punched holes of the Lite Deck Batten Bar at either 6-in. or 12-in. o.c. and drive until secured.

## Safety Precautions

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

## Storage

- Store Kingspan Lite Deck Fasteners in a controlled, dry environment, away from objects that could cause physical damage to product or packaging.

## Typical Properties

Properties	Typical Performance
Fastener Head	6 Lobe (T40) Drive Flat
Fastener Head Diameter	.710" (18 mm)
Thread Diameter	.375" (9.53 mm)
Shank Diameter	.312" (7.92 mm)
Corrosion Resistance	Passes the corrosion requirements of FM Approval Standard 4470 and EAD030351-00-0402

## Product Information

SKU	Fastener Length	Thread Length	Pieces per Box	Bucket Weight Lbs. (kg)
600000001458	2-5/8" (65 mm)	1-3/4" (45 mm)	500	32 lbs. (14.52 kg)
600000001459	3" (76 mm)	2-1/8" (54 mm)	500	36 lbs. (16.34 kg)
600000001460	4" (100 mm)	3" (76 mm)	500	47 lbs. (21.33 kg)
600000001461	5" (125 mm)	3" (76 mm)	250	30 lbs. (13.62 kg)
600000001462	6" (150 mm)	3" (76 mm)	250	36 lbs. (16.34 kg)
600000001463	7" (175 mm)	3" (76 mm)	250	41 lbs. (18.61 kg)
600000001464	8" (200 mm)	3" (76 mm)	250	46 lbs. (20.88 kg)
600000001465	9" (230 mm)	3" (76 mm)	125	26 lbs. (11.80 kg)
600000001466	10" (255 mm)	3" (76 mm)	125	29 lbs. (13.16 kg)
600000001467	12" (305 mm)	3" (76 mm)	125	34 lbs. (15.44 kg)

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

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