

POLYGLASS HEAVY DUTY ROOFING FASTENER

PRODUCT DESCRIPTION

The Polyglass Heavy Duty Roofing Fastener (#14) is designed to secure insulation to steel (1.25 to 0.75 mm), wood and structural concrete decks. Heavy Duty Fasteners can also be used to secure membrane to wood and concrete decks. The fastener is available in lengths from 1 ¼" – 24" (30 to 610 mm), and is Factory Mutual approved.

FEATURES AND BENEFITS

- Heavier shank and thread diameters for maximum strength.
- Deep thread for high pullout resistance.
- Extra sharp spade point for quick installation in new or reroof applications.
- In concrete applications, fastener may be reversed out of predrilled hole without damaging the deck.

COATING

CR-10 corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and EAD030351-00-0402.

APPLICATION INSTRUCTIONS

For steel decks, ¾" (20 mm) penetration is the minimum allowable. Factory Mutual requires that fasteners penetrate the top flute.

For OSB and plywood*, ¾" (20 mm) penetration through the underside of the board is the minimum allowable. For wood deck (wood beams, wood plank, tongue & groove), 1" (25 mm) penetration is the minimum allowable.

For structural concrete decks 1" (25 mm) embedment is the minimum allowable. Predrill a ⅜" (5 mm) pilot hole at least ½" (13 mm) deeper than the fastener embedment using a carbide tip SDS or straight shank bit.

Using a screw gun, drive the fastener until a slight depression is seen in the insulation and the plate. On rigid cover boards, care must be taken not to strip the deck.

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. Call Polyglass to schedule testing.

Note: Care must be taken not to overdrive the fastener. Fastener must be tight enough so that the plate doesn't turn. For best results, use a variable speed 0–2500 RPM screw gun.

*FM does not approve OSB or plywood deck types

PLATES & ACCESSORIES

Use appropriate steel plates, depending on the application. On structural concrete decks, use a ⅜" (5 mm) carbide tip SDS or straight shank bit.

PHYSICAL DATA

Head #3 Phillips Truss Head**
0.435" (11.04 mm) Diameter
Thread 0.245" (6.22 mm) Diameter
Shank 0.190" (4.82 mm) Diameter
Coating CR-10

**#3 Phillips bit included in each bucket/carton

APPLICABLE STANDARDS

- FM Approved



POLYGLASS



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ORDERING INFORMATION*

SKU	LENGTH IN (MM)	THREAD IN (MM)	PKG QTY	WEIGHT LBS (KG)
CR114B-PG	1 ¼ (30)	Full	1000	13 (5.89)
CR134B-PG	1 ¾ (45)	Full	1000	17 (7.71)
CRHD2B-PG	2 (50)	Full	1000	19 (8.61)
CRHD3B-PG	3 (75)	Full	1000	27 (12.24)
CRHD4B-PG	4 (100)	3 (76)	1000	34 (15.42)
CRHD5B-PG	5 (125)	4 (102)	500	23 (10.43)
CRHD6B-PG	6 (150)	4 (102)	500	26 (11.79)
CRHD7B-PG	7 (175)	4 (102)	500	30 (13.60)
CRHD8B-PG	8 (200)	4 (102)	500	34 (15.4)
CRHD9B-PG	9 (230)	4 (102)	500	37 (16.79)
CRH10B-PG	10 (255)	4 (102)	500	40 (18.16)
CRH11B-PG	11 (280)	4 (102)	500	44 (19.97)
CRH12B-PG	12 (305)	4 (102)	250	25 (11.35)
CRH14-PG	14 (355)	4 (102)	250	29 (13.16)
CRH16-PG	16 (405)	4 (102)	250	37 (16.79)
CRH18-PG	18 (455)	4 (102)	250	41 (18.61)
CRH20-PG	20 (510)	4 (102)	250	47 (21.33)
CRH22-PG	22 (560)	4 (102)	250	50 (22.70)
CRH24-PG	24 (610)	4 (102)	250	56 (25.42)

*All sizes are nominal

HEAVY DUTY ROOFING FASTENER LENGTH SELECTION PROCEDURE

1. If applicable, determine the thickness of the existing roofing material.
2. Add thickness of new insulation.
3. For steel, OSB and plywood applications:
Add ¾" (20 mm) minimum fastener penetration.
For structural concrete and wood plank applications: Add 1" (25 mm) minimum fastener penetration. NOTE: When predrilling for structural concrete, allow an extra ½" (13 mm).
4. If odd size requirement, always size up in length, not down.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

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