

CARLISLE SURE-SEAL® HP PURLIN FASTENERS

GENERAL:

HP Purlin Fasteners are specifically designed for use with Carlisle's Metal Retrofit Roofing System to secure membrane and RUSS™ to structural steel purlins. The HP Purlin Fasteners are compatible with 2" HP Polymer Plates, providing superior backout resistance in standard 16 gauge Purlins.

TYPICAL PROPERTIES AND CHARACTERISTICS:

<u>Size (mm)</u>	<u>Weight/Carton (Kg)</u>	<u>Fasteners/Carton</u>
3" (75)	13 Lbs. (5.9)	500
4" (100)	16 Lbs. (7.3)	500
5" (130)	20 Lbs. (9.1)	500
6 1/4" (159)	24 Lbs. (10.9)	500
7 1/4" (184)	27 Lbs. (12.3)	500

- Hex Head Drive.
- Self-drilling point can penetrate 12-18 gauge steel.
- Black epoxy electro-deposition coating provides excellent corrosion resistance, surpassing the FM 4470 corrosion test.
- Superior pullout resistance.

<u>Purlin Gauge</u>	<u>Minimum Pullouts Lbs./Fastener (Kg)</u>
12 (2.65 mm)	1,000 (450)
14 (1.90 mm)	1,000 (450)
16 (1.50 mm)	800 (360)
18 (1.22 mm)	600 (270)

CAUTIONS AND WARNINGS:

- Eye protection is recommended during drilling and installation.
- Heavier than 12 gauge purlins may require pre-drilling.
- Install HP Purlin Fastener at a moderate speed to avoid burning-out the drill point.

INSTALLATION:

- **Insert HP Purlin Fastener through the 2" HP Polymer Plate and position as specified.**
- **Using a standard clutch drive electric screw gun, install the HP Purlin Fastener flush with the top surface of the plate. The screw gun should be run at moderate speed to avoid burning-out the drill point on the HP Purlin Fastener.**
- **Minimum penetration is 1 1/2" (38 mm). HP Purlin Fasteners are manufactured with a 3/4" (19 mm) extended point. Actual length of a 3" HP Purlin Fastener is 3 3/4". The minimum penetration of 1 1/2" includes the 3/4" extension.**