



RetroDriller Fastener

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The OMG RetroDriller Fastener is designed for attaching single-ply membrane systems to structural steel purlins (up to 3/16-in. [5 mm]) in standing seam metal roof retrofit applications.

The OMG RetroDriller Fastener has a 1/2-in. (13 mm) drill point that quickly drills into structural purlins. It is available in five lengths from 4-in. to 10-in. (100 to 255 mm) and is Factory Mutual approved.

FEATURES & BENEFITS

- Depending on hardness/tensile of the purlins or bar joist, the RetroDriller Fastener may be used on steel up to 3/16-in. (5 mm) thick.
- Low profile head has a smooth surface to ensure that there is no damage to the membrane.
- FM Approved.

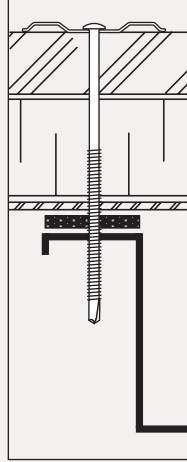
COATING

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

APPLICATION

The OMG RetroDriller Fastener must penetrate through the purlin a minimum of 1-in. (25 mm).

Using a screw gun with a maximum of 1800 RPM, drive the fastener through the purlin until a slight depression is seen around the plate.



Note: Caution should be taken not to overdrive the fastener causing stress plate more than 1/16-in. (1.6 mm). Prior to job bid, contact OMG to visit the job site for pullout test.

PLATES & ACCESSORIES

Use 3-in. (80 mm) RhinoBond® (TPO or PVC) insulation plate or other plate as appropriate.



For best installation results, use a high torque, low RPM screw gun with a maximum of 1800 RPM.

APPROVALS



Factory Mutual listings refer to this product as RetroDriller Fastener.



USE WITH **P** DECK TYPES

PHYSICAL DATA *

The data below is constant for each OMG RetroDriller Fastener.

HEAD		THREAD	
#3 Square .425" (10.79 mm) Diameter		.230" (5.84 mm) Diameter	
SHANK		COATING	
.194" (4.92 mm) Diameter		CR-10	

ORDERING INFORMATION

CAT. NO.	LENGTH IN (MM)	THREAD IN (MM)	PKG QTY	WEIGHT LBS (KG)
RDDP004B	4 (100)	3 (76)	500	19 (8.62)
RDDP005B	5 (125)	3 (76)	500	21 (9.53)
RDDP006B	6 (150)	3 (76)	500	25 (11.35)
RDDP007B	7 (175)	3 (76)	500	31 (14.07)
RDDP008B	8 (200)	3 (76)	500	32 (14.52)
RDDP010B	10 (255)	3 (76)	500	40 (18.16)

Each RetroDriller Fastener has a 1/2-in. (13 mm) drill point. Fastener must be installed with a minimum 1-in. (25 mm) penetration through the purlin.

*All sizes are nominal.



RetroDriller Fastener

PRODUCT DATA SPECIFICATIONS

SPECIFICATION

The fastener will be an OMG RetroDriller Fastener with a nominal shank diameter of .194-in. (4.92 mm) and a thread diameter of .230-in. (5.84 mm). The OMG RetroDriller Fastener will be used with a Factory Mutual approved 3-in. (80 mm) round RhinoBond plate (TPO or PVC) or other plate as appropriate. The fastener must be Factory Mutual approved.

APPLICATION

Using a screw gun with a maximum of 1800 RPM, drive the OMG RetroDriller Fastener into the purlin until a slight depression is seen around the plate. The OMG Retro-Driller Fastener must penetrate through the purlin a minimum of 1-in. (25mm).

Note: Caution should be taken not to overdrive the fastener causing the stress plate to deflect more than 1/16-in. Prior to job bid, contact OMG to visit the job site and test the fastener.

PHYSICAL DATA *

The data below is constant for each OMG RetroDriller Fastener.

HEAD		THREAD	
#3 Square .425" (10.79 mm) Diameter		.230" (5.84 mm) Diameter	
SHANK		COATING	
.194" (4.92 mm) Diameter		CR-10	
		PACKAGING	
		500/carton	

*All sizes are nominal.

RETRODRILLER FASTENER LENGTH SELECTION PROCEDURE

RETRODRILLER FASTENER LENGTH IN (MM)	COMBINED THICKNESS OF MEMBRANE AND/OR EXISTING SUBSTRATE
	MAX. TOTAL THICKNESS IN (MM)
4 (100)	3 (75)
5 (125)	4 (100)
6 (150)	5 (125)
7 (175)	6 (150)
8 (200)	7 (175)
10 (255)	9 (230)



ROOFING PRODUCTS

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