

GAF Drill-Tec™ RhinoBond®

XHD®/SXHD® and Tread Safe™ Plates and Fasteners



Description:

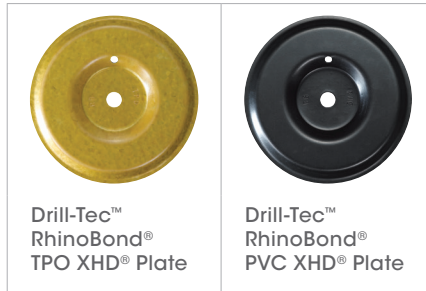
Drill-Tec™ RhinoBond® plates are designed for use as the key element to the RhinoBond® induction-welded single-ply membrane roofing attachment system. The Drill-Tec™ RhinoBond® TPO XHD® Plate and Drill-Tec™ RhinoBond® PVC XHD® Plate are 3"-diameter Galvalume® steel plates with special thermoplastic polyolefin (TPO) or polyvinyl chloride (PVC) coatings, respectively. These plates are also available in SXHD® plate to accommodate a Drill-Tec™ SXHD® fastener (#21).

Application:

Drill-Tec™ RhinoBond® TPO XHD® Plate or Drill-Tec™ RhinoBond® PVC XHD® Plate is used to attach rigid insulation to roof decks. The special TPO or PVC coating on the plates allows for EverGuard® TPO or PVC membrane to be welded to each plate using the RhinoBond® magnetic induction-welding tool. Insulation and membrane are attached using one fastener to create a durable roofing system.

Codes and Compliance:

<ul style="list-style-type: none"> FM Approved per Approval Standard 4470. Refer to RoofNav.com for approved assemblies. 	
<ul style="list-style-type: none"> Miami-Dade County Product Control Approved 	
<ul style="list-style-type: none"> State of Florida Approved 	



Drill-Tec™ RhinoBond® TPO XHD® Plate

Drill-Tec™ RhinoBond® PVC XHD® Plate

≥ 22 ga. steel, plywood†, wood plank, OSB††, wood joist, and structural concrete



Drill-Tec™ #14 Fastener
1¼" (31.8 mm) to 24" (610 mm), #3 Phillips Head

≥ 22 ga. steel, plywood†, wood plank, OSB††, and LWIC*



Drill-Tec™ XHD® Fastener (#15)
2" (51 mm) to 24" (610 mm), #3 Phillips Head

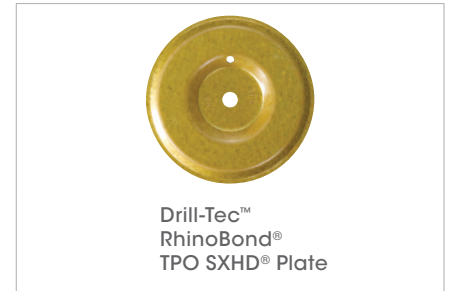
Purlins (Max. ¾")



Drill-Tec™ Purlin Fastener (Retro Driller)
4" (102 mm) to 10" (254 mm), #3 Square Drive



Drill-Tec™ Hex-Head Purlin Fastener
3 ¾" (95 mm) to 8" (200 mm)



Drill-Tec™ RhinoBond® TPO SXHD® Plate

≥ 22 ga. steel and lightweight insulating concrete*



Drill-Tec™ SXHD® (#21)
2" (51 mm) to 12" (305 mm), #3 Phillips Head

RhinoBond® can only be used with smooth membranes.

* In lightweight insulating concrete applications, the fastener must penetrate the steel pan.

† Min. 1½ in. thick plywood.

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Other RhinoBond® Plates and Accessories:



Tread Safe™ is a tube fastening system designed for compressible insulation. When used in conjunction with a specially designed RhinoBond® plate, Tread Safe™ provides an insulation and membrane attachment system for securing TPO and PVC roofing membranes. For best results, the minimum insulation thickness should be 2 in. (51 mm) to accommodate deflection.

Product Data			
Plate	Drill-Tec™ RhinoBond® TPO XHD® Tread Safe™ Plate	Drill-Tec™ RhinoBond® PVC XHD® Tread Safe™ Plate	Drill-Tec™ TreadSafe Tubes
Item Code #	45001	45002	1.5" — 45003 2.5" — 45006 4.3" — 45007 6.5" — 45008
Material/Coating	TPO Coated Galvalume® Steel	PVC Coated Galvalume® Steel	Polyamide
Diameter	3" (76 mm)		1.5" (40 mm) 2.5" (65 mm) 4.3" (110 mm) 6.5" (165 mm)
Packaging	500 per Bucket		500 per Box
Packaging Weight	36 lb. (16.3 kg)		1.5" — 7 lb. (3.1 kg) 2.5" — 10.3 lb. (4.6 kg) 4.3" — 18 lb. (8.1 kg) 6.5" — 26.5 lb. (11.7 kg)
FM Approved*	✓		✓



The 4 in. (102 mm) **Cardboard Disc** is used in combination with a RhinoBond® plate when installing approved single-ply roof covers over EPS or XPS insulation. When placed between the RhinoBond® plate and the insulation, the 4 in. (102 mm) Cardboard Disc prevents the insulation from melting during the induction-welding process.

Product Data					
Plate	Drill-Tec™ RhinoBond® TPO XHD® Plate	Drill-Tec™ RhinoBond® PVC XHD® Plate	Drill-Tec™ RhinoBond® TPO SXHD® Plate	Drill-Tec™ RhinoBond® PVC SXHD® Plate	Cardboard Disc
Item Code #	4574	457C	4537	4538	45A1
Material/Coating	TPO Coated Galvalume® Steel	PVC Coated Galvalume® Steel	TPO Coated Galvalume® Steel	PVC Coated Galvalume® Steel	Coated Cardboard
Diameter	3" (76 mm)				4" (102 mm)
Packaging	500 per Bucket				50 per Box
Weight	36 lb. (16.3 kg)	37 lb. (16.7 kg)	43 lb. (19.5 kg)	43 lb. (19.5 kg)	4 lb. (1.8 kg)
FM Approved*	✓				N/A
Miami-Dade County Product Control Approved	✓				N/A
State of Florida Approved	✓				N/A

Please refer to GAF-published application instructions for approved substrates and additional information requirements at gaf.com. For applications not listed or for additional information, contact GAF at 877-423-7663 or designservices@gaf.com.

Galvalume® is a registered trademark of BIEC International Inc. and some of its licensed producers.
RhinoBond® is a registered trademark of OMG, Inc.
* Refer to RoofNav.com for approved assemblies.



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