



RhinoBond® Roof System

- **Quick and Easy to Install**
- **No Membrane Fastener Penetrations**
- **Increased Productivity**
- **Even Wind Load Distribution**
- **Enhanced Wind Uplift Resistance**
- **Reduced Membrane 'Flutter'**
- **Elimination of Half Sheets**
- **Covered by System Warranty**
- **FM Approval Up to 210 PSF**



The RhinoBond Roof System is used with Sika Sarnafil PVC membranes to increase contractor productivity and enhance roof wind uplift resistance.

This innovative attachment system relies on electromagnetic induction welding to eliminate fastener penetrations. Specially-coated membrane plates are fastened to the roof assembly and later heat-welded to the underside of membrane using the RhinoBond tool.

The RhinoBond Roof System uses a patented 'stand-up' tool — a single worker places the unit above a plate and activates the electromagnetic pulse, which is completely safe. The pulse causes the securement plate to heat up and fuse to the membrane directly above it. Typical weld time is five seconds per plate. A weighted RhinoBond 'cooling clamp magnet' is then temporarily placed on top of the plate to assure a strong bond.

RhinoBond is ideal for projects that require enhanced wind protection. The system achieves an FM I-90 rating in the field while requiring 30 percent fewer fasteners per square.

The system is also perfect for metal retrofit applications. And with adequate steel deck strength, contractors can even avoid the need

to drill and fasten into steel roof purlins. Productivity is improved by eliminating this time-consuming step, and wider roof membrane sheets can also be used with fewer seams to weld.

RhinoBond is simple to use and has proven to be a real time saver for contractors.



A Tool that is Easy to Handle ... Easy to Use on Roofs

The RhinoBond tool is lightweight, portable and has an adjustable handle. An LED display provides detailed information for start-up, ready, energy level, number of plates welded / remaining, and cycles to date. Error messages notify the operator of high or low voltage conditions, and also if no plate is found.

Stable power (110-125 volts, 60 Hz) is required to operate the tool. Operators should use a 5,000 watt generator (minimum) with one 20A GFCI-protected circuit per tool. A maximum of two RhinoBond tools per 5,000 watt generator is recommended. The power cord should be 12 gauge at a minimum, with a maximum length of 100 feet.

Six cooling clamp magnets come with the tool. A convenient carry case protects the unit during transit and storage.

To obtain pricing and ordering information for the RhinoBond Roof Fastening Tool or to purchase a unit, contact your regional Sika Sarnafil representative.



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A PVC membrane undergoing wind resistance tests. The membrane is seen secured on the left portion of the test bed with the RhinoBond tool, and at right using conventional in-seam attachment.

RhinoBond Roof Fastening Tool

Ordering Information

Part Number	Description	Packaging	Weight
1352653	RhinoBond Tool and 6 Cooling Clamp Magnets	Molded Cases	58 lbs.
1352654	6 Cooling Clamp Magnets	Molded Case	21 lbs.
1352641	PVC Plates	500 / Bucket	35 lbs.

Physical Data

RhinoBond Tool	Cooling Clamp Magnets
Height: 28.5 Inches Handle Extends to 34 Inches	Quantity: 6 / Case
Width: 12.5 Inches	Weight: 2.5 lbs. Each
Weight: 23 lbs.	Base Diameter: 3.25 Inches
Case Weight (Empty): 14 lbs.	Case Weight (Empty): 6 lbs.
Total Weight (Tool w/Case): 37 lbs	Total Weight (Clamps w/Case): 21 lbs



RhinoBond features an adjustable handle and easy-to-read LED display.



Vinyl-coated plates are attached to roof decks and heat-welded to the underside of PVC membranes.

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Sika®

Sarnafil®