

# Proven System, Rhino Strong

OMG  
**RhinoBond**  
INDUCTION FASTENING SYSTEM

## Advanced Attachment of PVC & TPO Roof Systems

Streamlined Installation

Enhanced System Performance

*Non-Penetrating  
Fastening System for  
Thermoplastic Roofing*

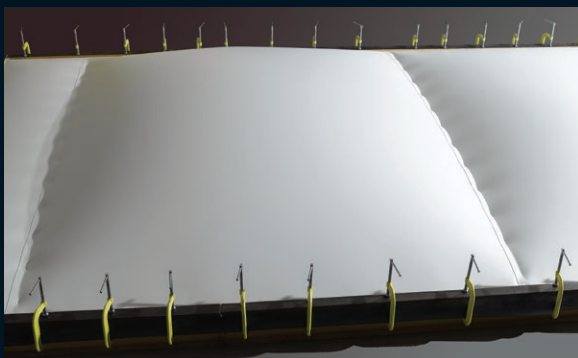
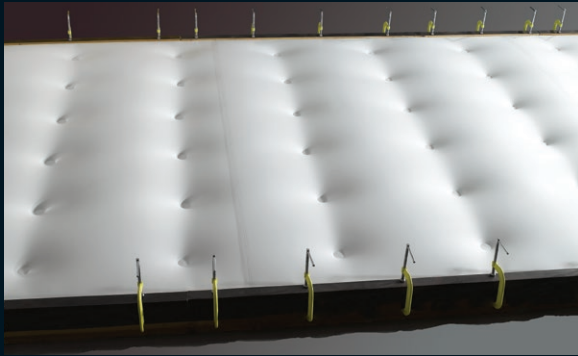
*Superior Wind  
Uplift Performance*

*Fewer Fasteners  
Fewer Seams  
Zero Penetrations*

*Reduced Flutter*



## SPREAD THE WIND LOAD.



The RhinoBond System spreads the wind load evenly across the roof (top) as opposed to the traditional in-seam fastening method (bottom).

*Fewer Fasteners.*

*Fewer Seams.*

*ZERO Penetrations!*

## NON-PENETRATING SOLUTION

*RhinoBond is an advanced insulation and membrane attachment system for TPO and PVC membranes. This all-in-one system uses the same fastener and plate to secure the membrane and the insulation to the deck without penetrating the roofing material. The result is a Factory Mutual-approved system that does not create any point of entry for moisture, requires fewer fasteners, fewer seams and provides superior wind uplift performance.*

### REVOLUTIONARY TECHNOLOGY

RhinoBond is based on patented electromagnetic induction welding technology called Sinch®. Just activate the RhinoBond tool directly over the specially coated plate to bond the underside of the membrane to the plate. The heating process only takes a few seconds once the RhinoBond tool is calibrated to accommodate the ambient temperature, membrane thickness and power source. A weighted magnetic RhinoBond heat sink placed on the welded plate helps to promote a strong bond.

### THINK OUTSIDE THE SEAM



For years mechanically attached system installation was based on in-seam fastening patterns. With the RhinoBond system, you have to think differently.

Instead of estimating the number of insulation and seam fasteners, simply determine the number of RhinoBond fasteners required to achieve the desired rating.

Since the fastening points are spread across the entire roof in a grid pattern, rather than being concentrated in the seams of the membrane, the uplift load is distributed more evenly. As a result, there is less loading on the seam, enabling the system to achieve higher wind ratings with fewer fasteners, and provides improved rooftop performance as well as better aesthetics!

**Just activate the RhinoBond tool directly over a specially coated RhinoBond plate (above) to bond the membrane to the plate. A weighted magnetic RhinoBond heat sink placed on the welded plate (left) helps to promote a strong bond.**

For illustrative purposes only.  
Actual products may look different.



### RHINO BOND PRODUCTIVITY

RhinoBond typically uses 25% to 50% fewer fasteners when compared to traditional in-seam fastening. An experienced operator can weld up to five plates per minute.

### ELIMINATE HALF SHEETS

Most thermoplastic roof assemblies require extra fastening around the perimeter of the roof and at large penetrations where wind uplift forces can be the strongest. Typically, perimeter half-sheets are needed for these areas.

With RhinoBond technology, membrane width is no longer a factor. Instead, a tighter fastening pattern in these areas provides additional attachment points for full-width membrane, thus providing enhanced security with fewer seams and zero membrane penetrations.

### FASTER DRY-IN

In some installations, membrane seams can be welded before all of the RhinoBond plates are bonded to the membrane. This enables the contractor to get a larger area of the building dry and to reassign skilled workers to complete other parts of the installation before welding the membrane to all of the plates.

## A BETTER ALTERNATIVE FOR METAL RETROFITS.



RhinoBond is also an ideal option for metal roof retrofit applications. Because the system does not require in-seam fastening, the membrane seams do not have to be positioned over the purlins. This eliminates the need for specialty purlin-width sheets, simplifies the installation and reduces waste.



*Over 1.5 billion sq. ft.  
(140 million m<sup>2</sup>) of  
thermoplastic membrane  
has been installed using  
the RhinoBond System.*

# NATIONWIDE CUSTOMER SUPPORT

OMG is the leading U.S. supplier of roofing fasteners, roof insulation adhesives, retrofit roof drains, pipe supports, roof repair tape and engineered edge metal systems.



When it comes to service, OMG Roofing Products has a nationwide network of field sales representatives available to help. We're there when you need us for product demonstrations, training, job starts and more. Let our local sales representative help with your next project.

For more information or an on-site demonstration, please call 800-633-3800.

## INSULATION COMPATIBILITY\*

RhinoBond is compatible with mineral wool, polyisocyanurate, and hard cover boards as well as any insulation that will not melt by the induction welding process. When using induction welding directly over XPS, EPS, use a minimum 1/4-in. (6mm) cover board or 4-in. (102mm) cardboard discs under each plate to protect the insulation from melting. On foil faced insulation, the recommended minimum cover board is 1½-in. (38mm).

When using RhinoBond directly over a metal deck, a minimum of 1½-inches (38mm) of insulation is required for proper tool operation.

\*These recommendations address various technical operating requirements of the RhinoBond Induction Tool only, and are not provided in lieu of any applicable building code or roofing system manufacturer requirements or specifications.

## FASTENERS & PLATES

The RhinoBond system includes 3-inch (80mm) round specially coated plates, sold in waterproof buckets of 500. Plates are available for TPO (gold plate) and PVC (black plate). RhinoBond plates meet FM 4470 criteria for corrosion resistance and can be installed with several OMG fasteners.

## ATTENTION:

RhinoBond Plates must be protected from prolonged UV (ultra violet) sun exposure. Keep RhinoBond buckets covered when not retrieving plates. Installed RhinoBond plates must be covered with membrane by the end of each workday.



## INDUCTION WELDING TOOL

The RhinoBond tool is lightweight, adjustable, and easy to use and handle. It operates on standard 110 volt and 220 volt power sources. A 5,000 watt generator in good condition with two 20A GFCI protected circuits will run two tools.

See RhinoBond Owners Manual for International Power Requirements.

## COMPARE YOUR MATERIAL SAVINGS, INCREASE YOUR PRODUCTIVITY!

Find out how much material you can save with RhinoBond by using our online calculator. Download our "OMG Interactive" calculator app right to your phone! Scan the code or log on to [www.OMGRoofing.com/rhinobond-calculator.html](http://www.OMGRoofing.com/rhinobond-calculator.html). Simply enter the specifics for a particular job to see your material savings!



RhinoBond  
Calculator



RhinoBond  
Resources

RhinoBond tools are available exclusively through OMG Roofing Products' network of roofing distributors. For more information, please call 800-633-3800.



ROOFING PRODUCTS

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U.S. Patent Nos. 6,710,314; 6,849,837; 7,399,949; 8,492,683; 8,933,379. Canadian Patent Nos. 2,458,353; 2,602,753. U.S. Patent Pending. RhinoBond® and SINCH Technology® are registered trademarks of OMG, Inc.

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Superior productivity.  
Superior performance.

