

Proven System, Rhino Strong

Advanced Attachment of PVC & TPO Roof Systems

Streamlined Installation

Enhanced System Performance

*Non-Penetrating
Fastening System for
Thermoplastic Roofing*

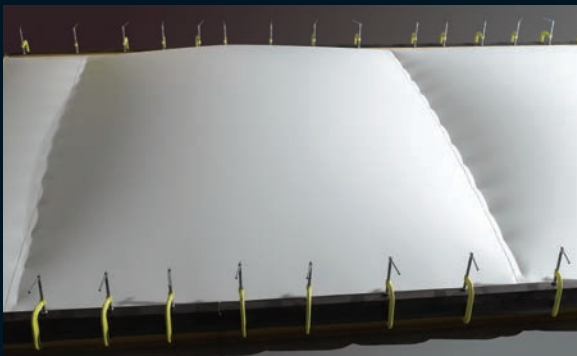
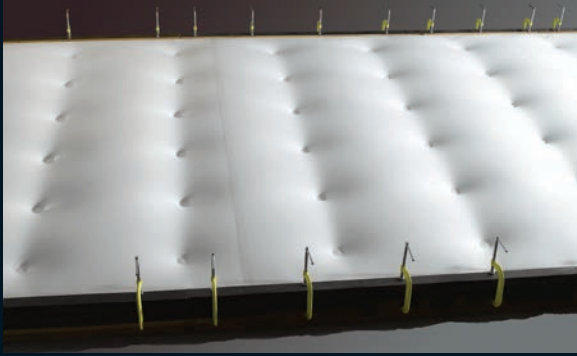
*Superior Wind
Uplift Performance*

*Fewer Fasteners
Fewer Seams
Zero Penetrations*

Reduced Flutter



SPREAD THE WIND LOAD.



The Flex 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

Flex 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

Flex RhinoBond is based on OMG Roofing Products' 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 Flex Magnet 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 Flex 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 Flex RhinoBond tool directly over a specially coated Flex RhinoBond plate (above) to bond the membrane to the plate. A weighted Flex Magnet placed on the welded plate (left) helps to promote a strong bond.

For illustrative purposes only.
Actual products may look different.



A BETTER ALTERNATIVE FOR METAL RETROFITS.



FLEX RHINOBOND PRODUCTIVITY

Flex 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 Flex 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 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.

Flex 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.



THE RIGHT CHOICE For over 25 years



Flex has been committed to manufacturing the highest quality Elvaloy® KEE, PVC and TPO roofing products for the commercial and residential roofing markets for over 25 years with more than 220 million square feet installed throughout the country.

INSULATION COMPATIBILITY*

Flex 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. Induction welding should not be used directly over XPS, EPS or foil faced insulation boards. The recommended thickness of cover board is ¼-inch (6mm) minimum over XPS and EPS and 1½-inches (38mm) minimum over foil faced insulation.

When using Flex 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 Flex 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) membranes, meet FM 4470 criteria for corrosion resistance, and can be installed with several Flex fasteners.



INDUCTION WELDING TOOL

The Flex 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.

COMPARE YOUR MATERIAL SAVINGS, INCREASE YOUR PRODUCTIVITY!

Find out how much material you can save with Flex RhinoBond by using OMG Roofing Products' online calculator. Download the "OMG Interactive" calculator app right to your phone! Scan the code or log on to www.OMGRoofing.com/rhinobond-calculator.html.

Simply enter the specifics for a particular job to see your material savings!



**RhinoBond
Calculator**



*To learn more, please
visit our website*

FlexRoofingSystems.com

or call us at

800-969-0108.

FlexTM
*Thermoplastic Single Ply and Multi-Ply
Roofing & Waterproofing Systems*

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