

The JM RhinoPlate System is a FM Global® approved alternative for JM TPO and JM PVC systems. This system uses coated plates to secure the insulation to the deck. The RhinoPlate is then welded to the JM membrane without creating penetrations in the waterproofing surface.

Enhanced Productivity

The JM RhinoPlate System may require 25% to 50% fewer fasteners when compared to in-seam fastening methods. An experienced operator can weld five plates per minute or 300 plates per hour.

Reduced Flutter and Improved Aesthetics

The JM RhinoPlate System does not require seam fasteners to secure the system; therefore, fastening points are spread across the entire roof in a grid pattern rather than being concentrated on the edge of the membrane. This creates a more evenly distributed load, yielding higher wind uplift approvals and reducing the potential for membrane flutter – all while providing improved rooftop performance and better aesthetics!



Faster Dry-In

In some installations, a membrane seam can be welded before the JM RhinoPlate is bonded to the membrane. This enables the contractor to get a larger area of the building dry to prevent moisture infiltration into the building or reassign skilled workers to complete other parts of the installation before fully securing the membrane in the roofing system.

Best-in-Class FM Global Approvals

Johns Manville has best-in-class codes in the industry with the JM RhinoPlate System. Using six fasteners per board, an approval of 1-90 has been tested and achieved. With eight per board, JM TPO has achieved an industry best 1-135! Please consult our Johns Manville fastening diagrams for approved patterns for field and prescriptively enhanced portions of the roof.

Plates

The JM RhinoPlate is a 3-inch round, specially coated plate sold in pails of 500. Plates are available for JM TPO and JM PVC Roofing Systems.

The JM RhinoPlate System is based on the RhinoBond® Induction Welding System. RhinoBond® is a registered trademark of OMG, Inc., and is patent protected.

