

The JM PVC Advantage

Specifying JM PVC membranes and accessories is the clear choice for leading commercial roofing professionals. With over 550 million square feet installed, JM offers a comprehensive portfolio of PVC single ply solutions for the most demanding of circumstances. Our PVC membrane is complemented by a complete line of insulations, cover boards, and specialty products for a single source of supply. With more than 150 years of experience in the roofing industry you can count on JM to market the best PVC roofing systems in the industry. Here are just a few highlights:

Plasticizer Retention for Long-term Durability

Over time, liquid-plasticized PVCs are more likely to lose plasticizer. This can result in less flexibility and resistance to chemicals, heat and UV. The JM PVC formulation uses DuPont™ Elvaloy® KEE, a solid plasticizer that bonds with the PVC to provide consistent plasticizer retention. This maintains high flexibility and durability throughout the life of the roofing system.

For optimum PVC system performance we recommend using the following specification language in Section 2 of standard 3-part CSI specifications: "The membrane shall be PVC meeting or exceeding ASTM D 4434 or D 6754 formulated with Elvaloy KEE, or with a coating to reduce plasticizer migration. If the membrane is not coated and not manufactured with Elvaloy KEE then a post installation coating is required to mitigate plasticizer migration."

Polyester Reinforcement for a Wider Array of Applications

Polyester reinforcements for PVC membranes are preferred by design professionals because of the robust physical properties that allow these membranes to be used in either mechanically fastened or fully adhered systems. This provides building owners and applicators a broader range of solutions tailored specifically for the building site and weather conditions. PVC membranes reinforced with fiber glass have low tearing strength and may only be used in fully adhered systems, greatly reducing roofing options and increasing cost.

Stringent Manufacturing Specifications to Assure the Highest Quality Standards

The JM PVC formulation has been produced by the same manufacturer for over 20 years, with proven field performance. JM has product engineers dedicated to assure quality control, continued testing and the development of innovative and enhanced products.

PVC Has the Lowest Commercial Life Cycle Cost Compared to other Membrane Types

In a 2005 Durability and Cost survey presented by Carl Cash to the 21st RCI (Roof Consultants Institute) Convention, Elvaloy PVC had a life cycle cost of \$0.37/sf/ year. Both initial costs and operating costs drive decisions when selecting roofing membrane types, so this information is critical to make an informed evaluation.

Superior Long Term Solar Reflectance for Cool Roofs and Qualification for LEED® Credit

Roofing membranes that remain white longer have better long-term energy efficiency. JM PVC membranes have a three year reflectivity value of 70% and an SRI (solar reflectance index) of 84% compared to another leading brand with values of 63% and 75%, respectively. Green roofing is now more important than ever! PVC is also a very viable membrane that can be customized for solar photovoltaic applications.

Inherent Chemical Resistance to Oils, Air Conditioning Coolants, Fuels and Grease

Restaurants and food processors are perfect examples of ideal PVC installations because of the inherent chemical resistance provided by the membrane chemistry. A study conducted SGH Consulting Engineers found that PVC with DuPont KEE is the most resistant of single ply membranes. For an excellent summary of the chemicals tested please refer to the JM PVC brochure posted on our Web site.





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Strong Guarantees from a Strong U.S.-headquartered Company

JM is owned by Berkshire Hathaway, a company with the highest level of integrity and leadership from Warren Buffett. You can be assured that JM will have the financial stability to honor guarantees over a long time horizon. We are a 150+ year-old company with a track record that you can trust now and in the future.

There are multiple reasons to specify JM PVC: excellent code approvals, lower maintenance costs, labor savings and roof re-covers extending the life of existing systems. And, all this from a company that invests in specialized education and training for roofing professionals, together with a top-notch certified contractor program.