

Burkeline®  
Vac-Q-Roof™  
System

*A REVOLUTION*  

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*IN ROOFING*  

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*IS IN THE*  

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*WIND*  

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**Burkeline® Roofing Systems**  
a division of Burke Industries

## The Burke Vacuum Roofing System. Harnessing The Power Of The Wind.

A strong wind can hit very suddenly. Even in areas where you wouldn't expect it, one storm can blow off your roof. Traditionally, the only way building managers could protect their buildings and themselves was by relying on fastened, fully-adhered or ballasted single-ply systems. But these systems have their limits in fighting wind-induced up-lift forces.

Wind is no longer the problem. Now, it is part of the solution. Because Burke has developed a patented system that actually uses the wind to hold down your roof even tighter during strong winds, without using many fasteners or adhesives. Burke's Vac-Q-Roof™.

The concept is simple... but effective. The single-ply membrane is physically attached to the structure all around the perimeter of the roof. Then, vacuum producing devices (we call them Vac-Q-Vents™) are attached at specific locations. When the wind blows, Vac-Q-Vents create a vacuum that holds the single-ply membrane down. The harder it blows, the greater the

vacuum and the tighter the membrane is held down.

A simple concept? You bet. And it's been working on roofs since 1980.

### Better Performance. Lower Cost.

With mechanically-fastened systems, you pay for a crew to fasten rolls of material with thousands of screws and plates. Burke's Vac-Q-Roof doesn't require the costly labor time of installing fasteners all over the surface of the roof. Nor will you need to buy all those fasteners, plates, adhesives, or ballast.

The Vac-Q-Roof requires attachment only at the perimeter of the roof and around roof penetrations. Contractors can choose to use Burke's factory pre-fabricated panels of material, eliminating 70% of the normal seaming work required on a roof.

Panels are simply seamed together to create one large monolithic sheet that covers the entire surface. Vac-Q-Vents are attached at the prescribed locations, a simple process. That's it.

The system eliminates common fastening problems. No more fastener back-out caused by the fluttering of the membrane during high winds. No more worries about fastener corrosion caused by moisture in the roof system. No more lap-plate bending or breaking. And extreme thermal cycles won't affect a thing.

### Roofing And Reroofing With Burke.

#### Moisture Control

Reroofing has its headaches. How does one completely dry out the existing roof and the insulation? Wet roofs will never dry out if you simply put another roof over it. And the trapped moisture will

contribute to the corrosion of fasteners as well as steel decks.

Vac-Q-Roof solves these problems. Vac-Q-Roof helps dry out what's underneath its single-ply membrane. There is planned space between the membrane and the roof or the insulation itself. The vacuum force actually pulls moist air out. If you've ever experienced a rotted wood deck or seen the corrosion in a metal deck caused by moisture, then you know the importance of moisture removal. The only way to maintain the R value of your insulation is by keeping it dry.

#### Asbestos Encapsulation

Building owners are responsible for any asbestos they currently own, whether it's on the roof or at the dump. A new philosophy is emerging - it might be better to keep your asbestos problem in a place where you can control it... namely, on the roof. And you can



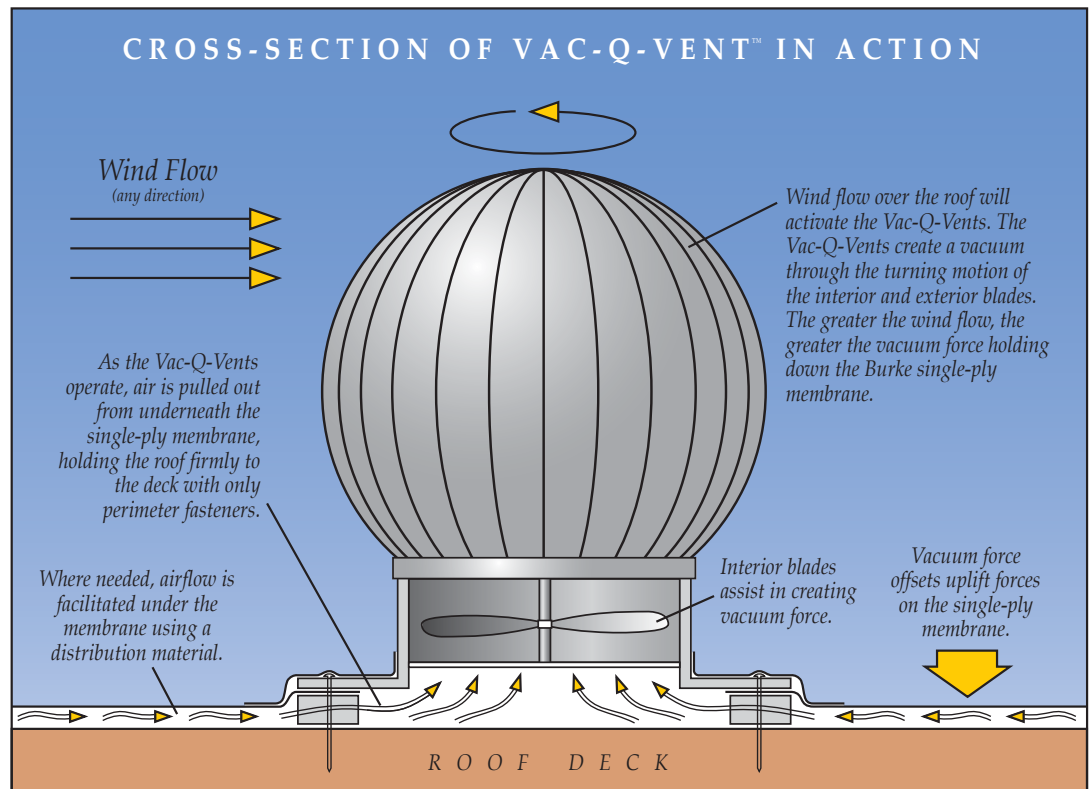
keep asbestos on the roof by encapsulating it.

A valuable application of the Vac-Q-Roof is for asbestos encapsulation. Since the single-ply membrane is only attached at the perimeter, the surface can be encapsulated with limited disruption to the asbestos roof. Given the enormous cost of asbestos removal and the lifetime responsibility an owner carries for the asbestos, encapsulating with a Burke Vac-Q-Roof can be a very cost-effective alternative.

### Burke CSPE. Reaching New Heights In Single-Ply Roofing Versatility And Efficiency.

The Vac-Q-Roof uses Burke CSPE (Chlorosulfonated Polyethylene) as its single-ply membrane. Burke's CSPE Roofing has lasted and lasted and lasted. Through the harshest storms, snow, and sunshine. Compare the lifetime cost of a Burke roof against other systems and you'll be surprised at how cost-effective a CSPE system can be.

On top of that, Burke's CSPE saves you money on energy costs.



Burke can manufacture CSPE to be any color you want, but we prefer the white sheet. Reflective tests have proven that white provides optimum energy efficiency and can save the building owner up to 50% on energy costs.

Burke CSPE gives you the best possible seams. CSPE is uncured when first installed on a roof, allowing you to heat-seam or solution-weld long stretches of material (with a special CSPE-based welding solution). This method creates a strong monolithic seam between the sheets that is impossible to achieve with cured single-ply, like EPDM. And as the CSPE ages (cures) on your roof, it keeps getting stronger.

Burke's story on CSPE could go on for a long time. Like our UL approvals. Or the superior chemical resistance CSPE offers, particularly important in today's world containing all kinds of airborne pollutants, acid rain, fly ash, and ozone. Ask us for more information about the unique benefits of our CSPE.

### Complete Installation & Technical Support.

A Burke-trained applicator will install your Vac-Q-Roof. Over the years, Burke has trained, developed, monitored, and supported a corps of these applicators. Why is this so important to us? Because Burke knows that a superior Vac-Q-Roof is more than clever engineering and top quality materials. A superior Vac-Q-Roof reflects the expertise of Burkeline Approved Applicators.

From planning to completion, Burke's technical and field support staff ensures that you get the quality roof installation you want and need. Before your installation begins, detailed plans and specifications are submitted to Burke for review and approval. Burke's roofing specialists assist in the design phase so that potential problems are addressed from the very start, and costly mistakes are avoided. After your installation is complete, a factory field specialist inspects every phase of the installation according to exacting procedures. Any deviation from the specification must be corrected before the roof is accepted and warranted as a Burke Vac-Q-Roof.

### Contact Burke For Complete Vac-Q-Roof™ Information.

In 1980, Burke began an experiment that would revolutionize the way people think about the wind. The wind doesn't have to be your biggest problem. It can be your strongest ally. For over three decades Burke has perfected its vacuum technology and has installed Vac-Q-Roofs around the country.

If you would like more information on this revolution in roofing, please call (800) 669-7010 and ask us about the Vac-Q-Roof. Or visit our website at [www.burkeroof.com](http://www.burkeroof.com). It could possibly be the solution you've been waiting for.





# **Burkeline<sup>®</sup> Roofing Systems**

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