

Quarrix®

BEYOND SHINGLE COLOR

Why your roofing ventilation
is even more important.



HOMEOWNER'S GUIDE TO VENTILATION



MAKE IT YOUR BEST INVESTMENT

When planning a new roof for your home, it's important to note your roofing choices go well beyond selecting the right shingle design or hue. You still have important decisions to make about crucial (but less visible) elements on the roof – such as ventilation.

THE ESSENTIALS OF VENTILATION

Because your roofing ventilation will have a major impact on your home's curb appeal and long-term durability, you will want to ensure your ventilation choice is;

- › *Attractive in appearance*
- › *Effectively manages moisture levels*
- › *Withstands the elements of Mother Nature*



WHAT YOU NEED TO KNOW

Moisture can destroy your home

Your home accumulates a lot of daily moisture from showers, dishwashers, washing machines, weather, potted plants and other sources. In fact, a standard household produces up to six gallons of incidental moisture daily, according to the USDA. Because today's construction

methods make homes relatively air and watertight, that moisture must be strategically diffused or it may start damaging rafters, roof decking, shingles, walls and insulation. This is why proper ventilation is so important.

Historically, home builders have addressed the need for ventilation by equipping residential attics with individually installed static vents such as boxed, slant-back or turbine vents, depending on your region.





When attic ventilation is done properly, it will extend the life of the roof and lower cooling costs.

The problem is, these varieties of vents are intermittently installed and often fail to release moist pockets of air that tend to accumulate in scarcely visited areas, like attics. Over time, if that moist air isn't diffused and gets trapped inside your home, it can cause damage to the roof structure and contents of your attic by fostering mold and mildew.

That's not all – it can also do a real number on your home's exterior, causing shingles to curl, dangerous ice dams to form, and algae to grow on the roof deck.

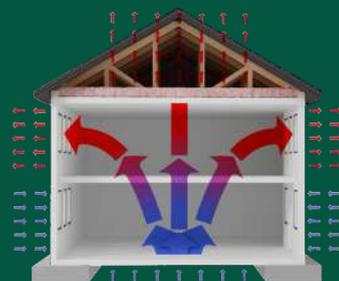
HOW AIRFLOW IN THE ATTIC SPACE WORKS

Think about what happens when you open up windows on opposite sides of a room in your house. If only one window is open, you may get a little bit of air movement, but won't notice too much of a difference. However, when you open two windows on opposite sides of the room, you feel a rush of air and doors in the airflow path slam shut.

This example represents the first airflow principle related to attic ventilation – airflow increases when there is an entry point which we'll call intake, and an exit point which we'll call exhaust.

The second principle of airflow is called the Stack Effect. The Stack Effect is the phenomenon of hot air rising. As air is heated, it expands and becomes less dense which causes it to rise.

Putting it all together, attic ventilation is the combination of these two airflow principles. Hot air rises throughout your home and into the attic towards the peak. The airflow created by the intake vents at the bottom of the roof and exhaust vents at the top of the roof help to replace the stale and damp air with fresh air from the outside.





Before



After

KNOWING YOUR OPTIONS



Gable vents: This blind or shutter uses horizontal slats to admit and release air without letting in rain or debris.



Static vents: These simple, static units are installed over holes cut into your roof and employ natural convection to release hot air and moisture. Often, many are required on a single rooftop to create effective airflow.



Turbines/Whirlybirds: These appendages rotate a set of louvers via wind or electricity, creating a vacuum that sucks air out of your attic.



Ridge vents: These long, linear vents are installed nearly invisibly in a continuous line at the peak of your roof, providing even airflow.

MAKING THE BEST CHOICE

Style and performance

Today, many homeowners are requesting Quarrix ridge vents for their roofing ventilation needs because of the style and performance they offer.

Ridge vents create instant curb appeal, installing nearly invisibly underneath almost any roofing material including asphalt shingles, cedar shakes, flat tiles, metal and stone-coated steel. Installed at the highest point of the roof (remember that hot air rises, so it is always best to locate vents at the peak), they eliminate the need for the bulky and outdated static vents of the past that reduce curb appeal and stand out like tacked-on afterthoughts. Unlike a majority of ridge vents on the market, the continuous ventilation across the top hip and ridge of the roof creates an attractive roof line that will complement any

architectural style. With hip roofs and complex roof layouts becoming more common, this versatility allows for a properly vented attic even when there isn't a large amount of ridge available to vent.

Your home's curb appeal – as well as its longevity and resale value – can be heavily influenced by the right design, material and ventilation. In fact, according to a recent report by *Remodeling Magazine*, on average a roof replacement retains 68 percent of its resale value. Gone are the days when you had to sacrifice style for performance. When it comes to choosing the highest-quality brand of ridge ventilation, Quarrix is an industry leader.

Ridge vents create instant curb appeal, eliminating the need for bulky and outdated static vents.

When paired with properly rated roofing materials, our ridge ventilation is designed to withstand 30 years or more of anything Mother Nature can serve up.



WHY CHOOSE QUARRIX RIDGE VENTS?

The highest-quality brand of ridge ventilation

PROVEN PERFORMANCE

Nearly 6 million homeowners have already benefited from Quarrix roofing ventilation and accessory products, all of which are thoroughly tested, certified and backed with industry-leading warranties.

MONEY WELL SPENT, WITH TRUE ROI

Overall, you can expect ridge vents to cost slightly more than box vents and other alternatives. That's because they're the best possible option for protecting your roofing investment. Not only do they effectively ward off interior attic damage and shingle decay caused by moisture, mold,

mildew and rot, but they require no mechanical power and little to no maintenance. When you effectively equip your roof with a full ridge vent system you can expect it to last for decades, saving you the expense, time and hassle of having to replace it in a few short years.

A WEALTH OF CHOICES ON HAND

Quarrix offers high-quality, specialty ridge ventilation options that can serve any budget or installation need. Thanks to our 30 years of experience in roofing, you'll encounter no roadblocks from us in getting your new roof installed at the time most convenient for you and your family.



engineered to avoid clogs from snow, leaves, brush, insects, birds, rodents or other obstacles, you need not worry about getting on your roof to clean them out. You can also forget about dealing with electric shortages or wiring issues common with powered vents, since our systems power themselves. This saves you time and aggravation and averts any safety issues associated with rooftop repairs.

PROTECTION FROM THE ELEMENTS

Crafted from crush-resistant HDPE, Quarrix ridge vents are the most durable on the market. They're specifically designed to stand up against your roof's greatest enemies – heat, UV rays, rain, hail, wind, snow, ice, condensation, moss, algae and natural debris. Our patented StormStop® membrane allows air to flow freely while preventing all forms of weather from entering the attic space. We're even certified hurricane-resistant* by strict requirements established by Florida's Miami-Dade County.

under most roofing materials, but ours partner beautifully with asphalt shingles, cedar shakes, flat tiles, metal and stone-coated steel.

EASE OF INSTALLATION

Your contractor will be pleased to learn Quarrix ridge vents can be installed with a simple coil nail gun, using our Shingle-over One Pass process that allows caps and vents to go on simultaneously. Our vents are scored with easy-to-identify cut lines that take the guesswork out of the job, and they can be easily ordered with the correct nails for a one-stop shopping experience.

The efficiency of ridge ventilation can add years to the life of your roof, saving you the time, money and hassle involved in having to replace it within a few short years.

*Applies to 11-1/4" only.
Part #39914
& 39915





QUESTIONS TO ASK YOUR ROOFING CONTRACTOR

How long has your crew been installing for you?

Do you install ridge ventilation?

Is inspecting my soffits included in your roofing estimate?

Why do you recommend a certain product or brand?

What ventilation needs to be installed for a factory warranty?

Will you be submitting the warranty paperwork?

TOTAL TEAMWORK

Getting on board with your contractor

Here's a list of best practices and key topics to discuss with your contractor to get the best outcome:

- › Find a trusted and experienced professional who has previously worked in your region. Look for a local, insured professional rather than a “storm chaser” who may only wish to sell you the easiest, fastest option.
- › Now that you're adequately armed with a wealth of ventilation knowledge, don't be afraid to share your preferences. Take initiative in starting the conversation – chances are your contractor won't ask.
- › Get involved. Ridge ventilation often qualifies your home for more comprehensive warranties, based on guarantees from shingle manufacturers that their products will perform better when quality installation is involved.
- › Talk to your contractor about their plans for creating a balanced system – your roof requires equal parts of intake and exhaust which can often be overlooked.
- › Ask your contractor to measure your roof to ensure you'll have the appropriate amount of Net Free Area or NFA. As a rule, you can expect to need about a square foot of attic ventilation for every 300 square feet of applicable ceiling space. You can also enter your attic area or

length and width in our online roofing calculator to easily determine your ventilation needs.

- › Although Quarrix has been installed on over 6 million homes, a contractor unfamiliar with ridge ventilation may be apprehensive about installing it. Rest assured, Quarrix offers contractors free assistance in completing NFA calculations and determining where to place ventilation for optimal use, based on the size and shape of your roof and your area's weather conditions. “We're more than happy to help contractors,” notes Quarrix Product Designer Scott Van Wey. “Most of the time we're simply double-checking house plans, ensuring everyone peace of mind that they're installing the most efficient and beautiful system.”



Our ventilation calculator is available online at [Quarrix.com](https://www.Quarrix.com)

Quarrix[®]

Beautiful exteriors, healthy homes.

Your roof's number one job is to protect your home, but are the choices you're making protecting your roof? The CDC recommends keeping humidity levels below 50 percent by ensuring adequate airflow through your attic. Without a proper attic ventilation system many problems can arise – mold can accumulate, shingles can curl and dangerous ice dams form. This guide will help you make the best choices, ones you may not even know you have.

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