



VULCAN VENT[®]

FIRE & EMBER SAFE VENTS

STOPS FIRES

COLD

Fire Defense

It's estimated that 90% of the homes **destroyed** during **wildfires**, are due to **wind blown embers**!



EMBER ATTACK!

Embers shower into attic vents and eave spaces of neighboring houses, **igniting them from the inside out!** This can happen long before flames even come close!

The **Vulcan Vent** is a FIRST LINE OF DEFENSE against ember attack, heat and exterior flame.

Vulcan Vents will keep dangerous embers from entering the ventilation areas of your home even when the fire is still far away.

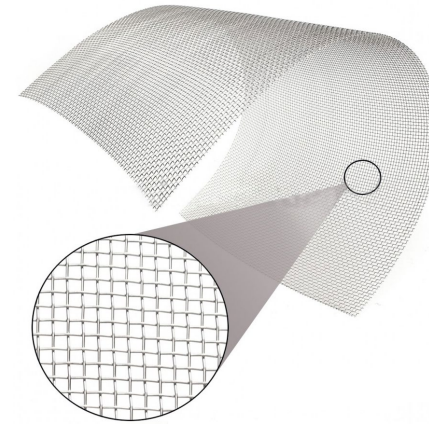


How it Works

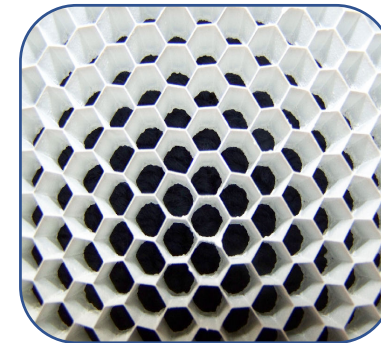
Vulcan Vents are self closing when exposed to extreme heat and flames, preventing flame and ember intrusion.

Vulcan Defense System:

- 1. Physical barrier** that protects against burning **wind-blown embers**
For the **first line of defense**, we use **16 mesh stainless steel** that effectively **blocks embers** from entering your home.



- 2. Reactive barrier** that **self closes** when exposed to **heat or flames**
Our second line of defense is our patented, **1/4" honeycomb aluminum core**, coated with an **intumescent coating**. This is a **reactive, self closing barrier** that **prevents the intrusion of flames** into your home.



Vulcan Exclusives

Intumescent Honeycomb Core:

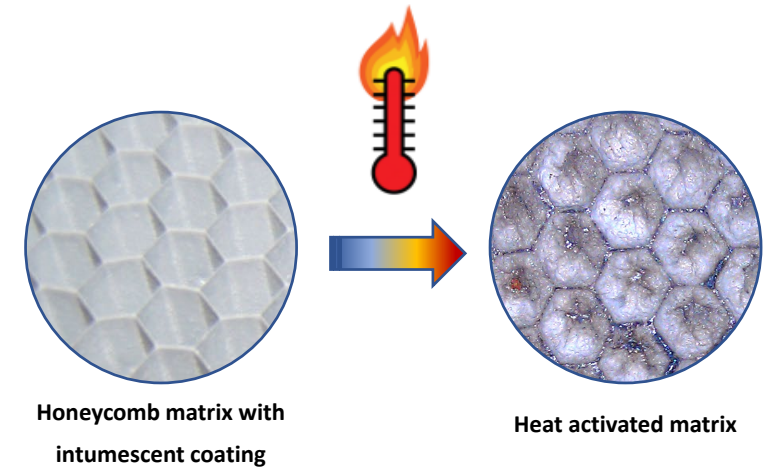


in·tu·mes·cent

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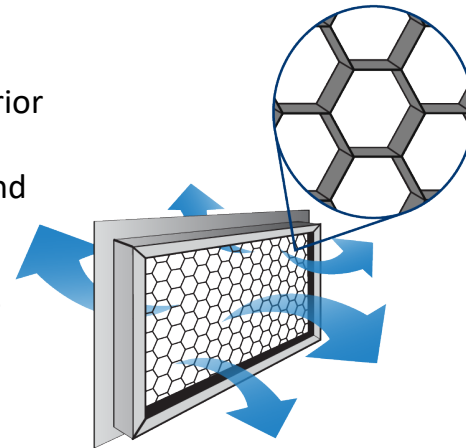
adjective

1.(of a coating or sealant) **swelling up when heated**, thus protecting the material underneath or **sealing a gap** in the **event of a fire**: “intumescent fire-retardant paints”



Excellent Passive Air Flow

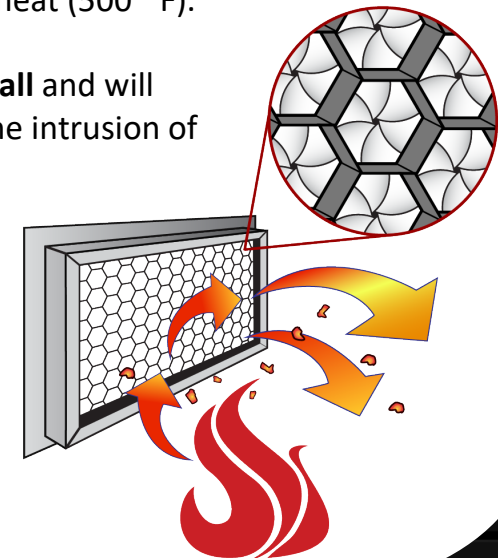
- The Vulcan Vent is known for its superior NFVA (**net free ventilation area**) and provides great airflow through attic and crawl spaces.
- Unlike **BAFFLED VENTS** that **RESTRICT AIRFLOW**, Vulcan Vents are designed for **maximum airflow**.



Adequate ventilation is critical in preventing heat and moisture build up in your home.

Protective Firewall

- Vulcan Vent's design consists of a **¼" honeycomb aluminum core** with an **intumescent coating**.
- This **coating expands** when exposed to heat (500 ° F).
- This chemical expansion creates a **firewall** and will **seal the vent completely**, preventing the intrusion of **flames and embers** into your home.



Product Types

- **Continuous Soffit Vents**

- Unibody design
- Easy to install and can be cut to size and painted, even powder coated
- 19 models of continuous vents and retrofits

- **Foundation and Soffit Vents**

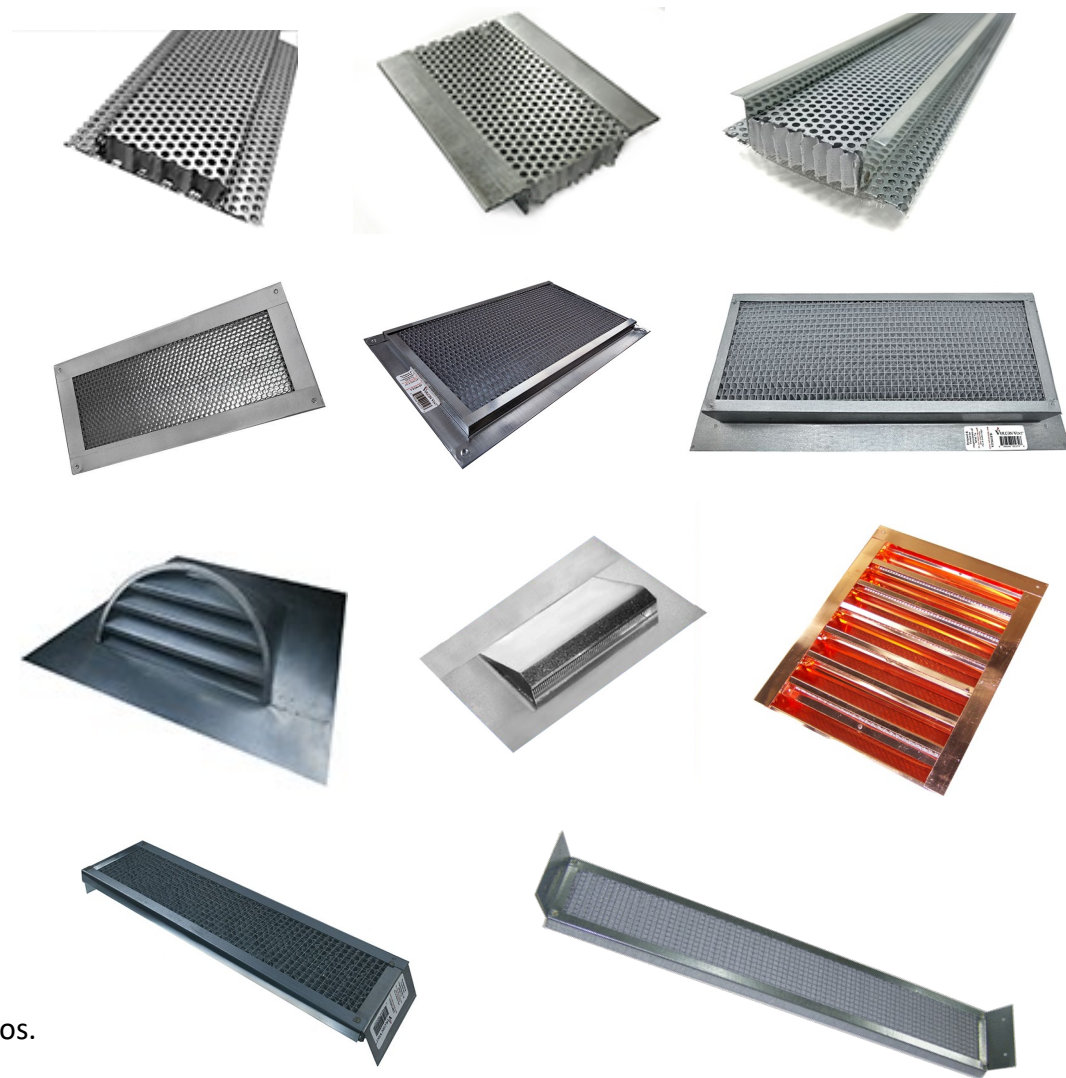
- Unibody design
- Easy to install and can be cut to size and painted, even powder coated
- 19 models of continuous vents and retrofits

- **Gable and Dormer Vents**

- Over 30 models of gables
- Retrofits are also available
- Made for weather, pest, fire, and ember resistance
- Installs like any other gable or dormer vent does

- **Eave Vents for Trusses and Rafters**

- Ideal for new construction
- Direct rafter and truss applications available
- Available in various widths [3.5" - 7.5"] X [14" & 22"]
- Reverse tabs also available for easy installation in differing scenarios.



Codes and Compliance

- ✓ California Building code (**CBC**) **Chapter 7A** compliant
- ✓ Wildland Urban Interface (**WUI**) **compliant**
- ✓ Western Fire Center Inc. (**WFCi**) **1-hour fire rated** assembly
- ✓ Meets **ASTM E2886/E2886M** standards
- ✓ California State Fire Marshal (**CSFM**) Building Material Listed (**BML**)



Important Terminology

Wildland Urban Interface (W.U.I.)

The Wildland-Urban Interface (WUI) is the area of transition between civilization and nature. WUI's are particularly at **high risk from wildfires**. **Vulcan Vents play a critical role** in a home's ability to **protect itself from fires** in these areas.

CBC Chapter 12-7A

State Fire Marshal standards for materials and construction methods for exterior wildfire exposure.

American Society for Testing and Materials (ASTM International)

ASTM E2886 / E2886M

"Standard Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement"

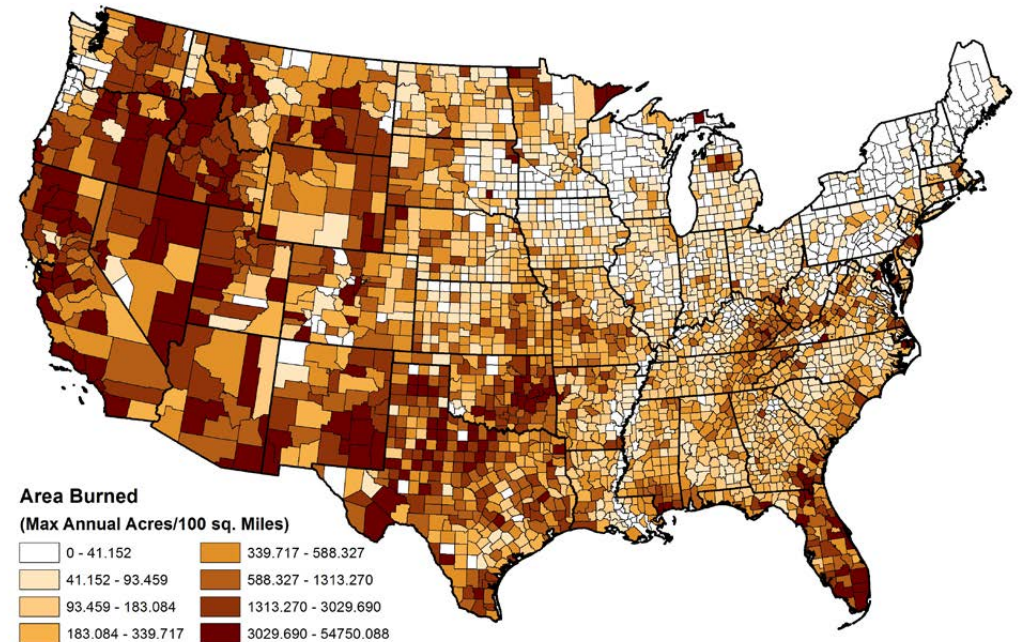
Increasing Risk



Wildfires are trending like the Mendocino Complex Fire—huge blazes that start in the summer and feed mostly on timberland. Over the past five decades, these **summertime forest fires** have **increased in size** by roughly **800 percent**.

Fires are on the Rise!

A study, published in the journal *Earth's Future*, finds that we're in a real fire outbreak—and that it's being driven by climate factors. Since 1972, California's annual burned area has increased more than fivefold, a trend clearly attributable to the warming climate, according to the paper.



Source: National Fire Incident Reporting System, National Association of State Foresters, Federal Fire Occurrence Dataset



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