



BrandGuard
Vents

Wildfire Defense Solutions

Innovative products and solutions designed to meet the latest fire protection code requirements.

Wildfire Protection

About Us



BrandGuard Vents were invented in 2003 by Brent Berkompas while working as a firefighter for the City of San Bernardino, California. He was fighting the 2003 and 2007 California wildfires and saw firsthand the vulnerability of the thousands of homes affected. Watching the embers fly directly into the homes through the unprotected mesh vent openings, Brent knew that something had to be done, to prevent this from happening in the future.

That was the inspiration that led to the creation of the BrandGuard patented baffle front design, now used throughout our line of wildfire rated vents. The BrandGuard Vents company is now part of the Tenmat group, a leading manufacturer of fire protection components and advanced materials, with over 100 years of experience.

Together, Tenmat and BrandGuard Vents possess unrivalled innovation and technical expertise which consistently lead to the development of various industry standard products. Outstanding service, unsurpassed quality and a commitment to excellence are hallmarks of our Customer Service Department. BrandGuard Vents goal is to provide a complete service, from product selection to delivery and installation to help keep your home safer during a wildfire.

Tenmat is a multinational corporation with presence in the United Kingdom, the United States of America, France, Germany, the Czech Republic and Italy as well as a global network of vendors and distributors. Tenmat is fully committed to technical excellence through heavy investment in ongoing research and development. Tenmat has extensive in-house technical resources to develop innovative and high-quality products.

The combined experience of BrandGuard Vents and Tenmat provides peace of mind in safety critical applications in the field of fire protection. Outstanding service, unsurpassed quality and a commitment to excellence are hallmarks of our Customer Service Department. Contact us today at one of our locations in California and Delaware.



Wind Driven Embers

The Problem

Embers cause the majority of wildfire home ignition by directly igniting your home or igniting vegetation or materials on or near your home that results in flames touching your house or a high heat (radiant heat) exposure.

How can I protect my house from fire?

No home is fireproof, but by taking precautions, we can help prepare your home. Here are some ways to make your home and property more resistant to wildfire:

- Remove dead vegetation and lower branches from tall trees.
- Install Brandguard gutter guards to keep out leaves and pine needles.
- Replace standard vents with Fire / Ember stopping BrandGuard Vents.
- Move firewood at least 30 feet from the house.
- Use roofing materials with a Class A fire rating (the highest).
- Replace single-pane windows with multi-pane, tempered glass windows.

Follow the directives of CAL Fire (www.readyforwildfire.org) which include the use of fire resistant building materials. BrandGuard Vents are CAL Fire listed and approved for ASTM E2886.



Home Hardening

Code Compliance

Hardening your home against wildfire means taking steps to improve the chance of your home and structures withstanding ignition by windblown firebrands and embers. Replacing traditional vents with ember resistant vents is a small step that can make all the difference.

Why is home hardening so important?

In the US, at least \$2 billion per year is spent supporting fire suppression. While the efforts of firefighters have been both brave and tireless, the conditions on our landscapes, joined with the vast proliferation of homes and communities into wildfire hazard zones, make turning the tide through fire suppression increasingly untenable.

Today there are nearly 45 million homes in the wildland/urban interface (WUI). Each year some of the largest-loss fires occur in the WUI. Structure loss due to wildfire has increased more than 163 percent over the past decade.

The nation's area at risk to wildfire is now the size of Texas. Improving the fire resistance of structures is crucial to prevent the loss of properties and lives.

Are BrandGuard Vents WUI code compliant?

Yes, all BrandGuard Vents are Chapter 7A WUI code compliant.

In Chapter 7A of the California Building Code, it is now required by law that new homes constructed in the WUI (Wildland-Urban Interface) must install ASTM E2886 ember and fire resistant vents.

The WUI consists of areas where homes are built adjacent to unoccupied natural areas, such as forests.



BrandGuard Vents

A Unique Patented Solution



Home hardening is a critical factor to improve the survivability of structures during wildfires. All homes have vulnerable “point of entry” that must be sealed to avoid hot embers and fire from entering the structure.

Home ventilation is essential from an energy saving point of view, however in case of a fire nearby, there is a risk of hot embers finding their way into your attic, basement, garage, etc.

BrandGuard has patented a unique system to keep embers from entering your house.

How do BrandGuard Vents work?

Our design consists of multiple lines of defense:

- A baffle design with mesh which allows air to move freely, but traps embers
- BrandGuard propriety intumescent material, which expands and seals off the vent only if high heat and extreme flames are nearby.
- Non combustible, 26ga metal material which resists heat and flames
- These three combined technologies, help protecting your home, in case of a wildfire, increasing the survivability ratio of the structures.

Installing BrandGuard Vents is easy. We offer several different type of flanges for both new construction and retrofit applications.

New construction flanges can be adapted to all kinds of sidings available on the market.

The metal vents are usually painted to match the color of the house, or with a contrast color if you prefer the architectural accent look.



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(12) **United States Patent**
Berkompas et al.

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 (45) **Date of Patent:** May 18, 2021

(54) **VENT STRUCTURE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 815 days.

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Related U.S. Application Data

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F24F 1/00 (2006.01)
F24F 7/04 (2006.01)
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(52) **U.S. Cl.**
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(58) **Field of Classification Search**
 CPC: **F24F 11/35**; **F24F 11/35**; **F24F 11/76**; **F24F 11/000**; **F24F 13/082**; **F24F 7/04**; **A62C 2/06**
 See application file for complete search history.

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(57) **ABSTRACT**
 A vent apparatus that prevents the ingress of flames, superheated air, and/or blasting materials (e.g., embers) from an external fire to a building or structure is disclosed. The vent apparatus comprises a frame that defines an inlet, and outlet, and an internal passage. A guiding member is disposed within the internal passage to thereby deflect or direct a portion of a flow of material between the inlet and outlet. A blocking element is disposed on the guiding member that is configured to expand to at least partially block the flow of material between the inlet and outlet.

18 Claims, 6 Drawing Sheets

Features

And Advantages

Are BrandGuard Vents patented?

Yes, BrandGuard Vents are patented. The expiration date for the patent is Oct. 2039

What are the features and benefits of our patented design?

BrandGuard Vents resists the intrusion of flame and embers into your attic through the building's vents, thus protecting your home from dangerous flying embers created by wildfires.

Our unique patented vents maintain the same airflow over time, because the vents do not clog and they are easy to clean if needed.

BrandGuard Vents passed the most stringent fire and ember testing ASTM E2886/2912 and are listed by the California Office of the State Fire Marshal.

All of our vents have been proven in actual wildfires and have helped save many homes in recent California Wildfires.

We offer a 20 year limited warranty. Our products are made of long lasting 26ga G90 Galv Steel. A material that has been used in the industry for over 60 years.

Protects from Rain, Snow and Rodents. Our vents have passed stringent driving rain tests in Hurricane labs in Florida keep heavy driving rain out at even 140mph! Rodents are unable to chew or squeeze through our vents like they do with regular mesh vents, making them an excellent option for pest control!



BrandGuard patented baffle design



Wildfire Protection

Our Products - Tested & Approved

- CAL FIRE listing BML # 8165-2232:0502, BML # 8165-2232:0501
 - ASTM E2886/2912 for flames, embers, and radiant heat
 - ASTM E119 1hr fire rated
-

A Fire Protection Solution for every scenario

All BrandGuard Vents are available in standard sizes and dimensions.

Soffit Vents



BrandGuard fire-resistant soffit vents and undereave soffit vents comply with the residential fire protection sections of the California Building Code Chapter 7A as well as International WUI Codes. Stop embers from entering your home during ember storms caused by wildfires with fire-rated undereave vents and soffit guards from BrandGuard Vents.

BrandGuard Wildfire Rated Soffit Vents are proudly manufactured in the USA and can be painted to match the color of the house. Our vents are available in Steel and Copper, in both standard and custom sizes. Vents are available in different installation flange options.

Size (L x W)	Model#
14" x 3.5"	UE2021
14" x 5"	UE2031
22" x 3"	UE2041
22" x 3.5"	UE2011
22" x 5.5"	UE2051



Continuous Soffit Vents

ASTM E119 1 hr rated

BrandGuard's patented design uses a series of baffles to trap the embers and stop the fire from spreading. Our continuous soffit vents comply with ASTM E119 1hr fire rating and can bring your home into compliance with Chapter 7A of the California Builder Code and the Wildland Urban Interface requirements.

Both single-family and multifamily structures use open ventilation to cool attic and crawl spaces, so it is of paramount importance that those vents are fire-rated. Standard vents cannot stop embers or flames. BrandGuard Continuous Soffit vents are specifically designed and tested for both WUI and high density housing areas, to keep out flame/embers.

Size (L x W)	Model#
120" x 2"	CS2031
120" x 3"	CS2011
120" x 5.5"	CS2021



Wildfire Protection

Dormer & Ridge Vents



BrandGuard fire-rated dormer vents protect your home from entry by burning embers during a wildfire. Our vents are made with a unique, patented design featuring an overlapping baffle to stop flying embers from entering your attic. They're tested and approved for use in high-severity fire hazard zones.

BrandGuard Dormer Vents are available in full size and retrofit face only. The retrofit kit is easily installed over existing dormers without disturbing the roof tiles.

Size (L x W)	Model#
12" x 24"	DV2021
9" x 18"	DV2011



Under Eave Vents



Designed and tested to be used in high severity fire hazard zones, our fire-rated eave block vents are ideal for:

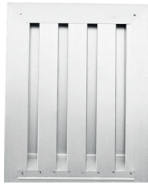
- Resisting flame, ember, radiant heat, and wind-driven rain and snow intrusion.
- Ensuring air flows through the attic normally.
- Easy to install, retrofit, and paint, all our fire-resistant round vents come with pre-drilled holes.

Size	Model#
1.5" Round	FP2000
2" Round	FP2011
3" Round	FP2021



Wildfire Protection

Gable Vents

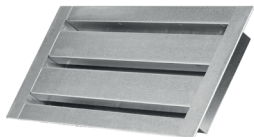


Stopping embers from entering your attic is of paramount importance during ember storms caused by wildfires. With fire-resistant gable vents from BrandGuard Vents, you can stay safe, protect your home, and comply with California wildfire protection codes. The vents are aesthetically pleasing and can be painted to match the color of the house.

Size (L x W)	Model#
12" x 12"	GV2011
12" x 18"	GV2021
14" x 18"	GV2041
14" x 24"	GV2051
18" x 24"	GV2071
22" x 30"	GV2081



Foundation & Garage Vents



BrandGuard fire-resistant foundation vents protect your home from embers during a wildfire and provide critical cooling and ventilation to the crawl space, basement, or garage.

Ember storms caused by wildfires can spread well ahead of the front of the fire. With fire-rated foundation vents from BrandGuard, your home has a first line of defense against ember and flame intrusion. These vents are also perfect for keeping pests out of your home.

Size (L x W)	Model#
13" x 4"	FV13X4
14" x 6"	FV2011
16" x 8"	FV2021



Wildfire Protection

Gutter Guards

Gutter Guards are required by the new 2021 California legislation. Metal gutter protection prevent flammable dry leaves and pine needles from accumulating in the gutters, eliminating the risk of ignition due to wind blown embers.

BrandGuard Gutter Guards are made with sturdy Stainless Steel micro mesh which doesn't require annual maintenance.

Our qualified installers will carefully measure the existing gutters, make sure they are clean from flammable debris, and install BrandGuard protection screen.

Size (L x W)	Model#
48" x 5"	GG2011



Removable Balcony Vents



New California legislation (SB721 and SB326) requires property owners to get regular, stringent inspections of their external elevated elements, including balconies. The law applies to buildings with three or more multi-family dwelling units.

Installing 1-hr fire rated BrandGuard Balcony Vents allows inspectors to easily access the under deck without disturbing the stucco finish, by simply opening and closing the hinged vents.

BrandGuard Vents are ASTM E119 1hr tested and CAL Fire approved.

Size ((L x W) Actual Opening)	Model#
60" x 4"	CS2011-PG- Removable
60" x 4"	CS2011-FF- Removable



Testimonials

And Policies

BrandGuard Authorized Installers will provide peace of mind and reliable service.

Testimonials

“Absolutely the very best products on the market, fabulous attention to detail, very competitive pricing, very articulated and talented sales staff.”

- P. Calhoun ★★★★★

“It was the perfect process for someone using the Grant program. BrandGuard was prompt in responding to my phone call, prompt in scheduling, and installation and the work was top notch. Thank you, BrandGuard for making it easy to be a part of the grant program and for helping us keep our house safe.”

- Harrelson household ★★★★★

“It’s great to know a company that makes you feel like family!”

- Mr. Walker ★★★★★

Insurance Discounts

Contact your insurance agent to see if you qualify for a discount on your policy.

Grants

Ask your local Fire Safety Council if there are grants available to retrofit your vents.

Estimate

Call us for an estimate 949-305-8059 or visit brandguardvents.com

Wildfire Rated Vents

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Part of the
Diamorph Group

We are ready to answer your questions or get feedback on our products.

Upon request our experts can perform a comprehensive wildfire risk assessment of your property. The inspection report will recommend how to protect your home with cost effective home hardening measures, as well as vegetation management and defensible space creation. With few simple steps, we can help you be prepared for wildfire.