

Applications

- Farming / Ranching
- Homeowners
- Cottages
- Construction
- Oil & Gas
- Refineries
- Mining
- Campgrounds
- Tree Farms
- Airports
- Application of Fire Foam or Gel

Parts and Supplies

- Fire and Irrigation Pumps
- Fire Suppressing Agents
- Fire Hose — Reels — Retention Tanks

Contact us for a demonstration or a no-obligation price quote.

www.FirebreakUSA.com

Detection Protection Notification



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**Manufacturers and
Systems Integrators of
Wildfire Mitigation Equipment**

Protect your home, business, farms, valuables, pets, and livestock.

**Leaders in Automated
Wildfire Detection &
Protection**



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Firebreak USA Corp. is a manufacturer and integrator of Wildfire Detection and Protection Systems using state of the art equipment and cutting edge technologies. We offer a comprehensive solution that provides improved protection from wildfires through early detection and notification, as well as automated fire suppression.

We will consult with you and develop and manufacture a solution that will meet your requirements at an affordable cost. Each product is manufactured to your specific needs at your request with your specifications. Several purchasing and finance options are available to you.

Each year an average wildfire season burns millions of acres of pristine forest, with costs totaling trillions of dollars. These wildfires ravage forests, destroy property, and threaten human life.

While many factors will determine the growth rate of a fire, the single biggest controllable factor is the length of time from the fire's ignition, to when fire fighting actually begins.

DETECTION

Firebreak products are capable of automatically detecting fires from several miles away, 24 hours a day, seven days a week. All without the need for electricity or phone lines.

Depending on the equipment solution you select we will

- scan the horizontal field of view, with a vertical field of view of +/- 25° from horizontal
- Lock onto any potential wildfire signature
- Analyze the signature for the specific properties of an organic fire

- If it confirms a fire signature, immediately send out an alarm, notify local fire fighting agencies using secure communications
- Activate a fire suppression system

PROTECTION

When a fire signature is detected, we will automatically contact nearby buildings that are equipped with FireShield, remotely turning the fire suppression system on, and coating the exterior structure and surrounding area with fire retardant. FireShield can also be manually activated or turned on remotely using a phone.

The fire retardant is the same environmentally friendly solution that firefighters have used for decades (minus the red dye), and has saved thousands of homes and millions of acres of forest. It's non-staining and remains effective even when dry, or until it is rinsed off with either a hose or heavy rain.

A cool down chemical is also available where livestock is involved.

FireShield is a self contained system that requires no electricity, or water and can easily be installed in new or existing structures, allowing for improved wildfire protection in even the most remote locations.

There are two basic system designs to select from, or a combination of both:

- A FireShield Exterior Suppression system is comprised of a number of strategically placed delivery heads, or nozzles that can spray a direct pattern of fire retardant onto a targeted structure or area.

- FireShield Perimeter Suppression System is comprised of a number of strategically placed rotor heads that can spray a direct pattern of fire retardant onto a targeted area. Once the FireShield suppression system is activated by sensors or any of the activation methods, an Air-Powered Pump pressurizes the system and propels the fire retardant over the planned area of several hundred feet of a canyon for instance that needs to be protected.

NOTIFICATION

Once the Detection System confirms a fire signature, it immediately begins the process of notifying the appropriate authorities.

The system can also be programmed to contact multiple cell phones, pagers, and emails concurrently. If a community is protected by a volunteer fire fighting crew, these critical minutes saved could be the difference between a controlled fire, and a blaze that has become too large to manage.

The advanced notification also gives homeowners increased time to evacuate, resulting in a safer evacuation should it become necessary.