



Fipron Canarias



FIPRON: Innovative Fire Protection Solutions

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About Us

We present to you an international group of companies working with FIPRON products, registered in the USA, with international certifications and test protocols, which include FIPRON GLOBAL, FIPRON CANARIAS, SALEN EXSTRA, FIRESI.



Global Presence and Expertise



Invention

Creating advanced fire-fighting technologies for over 15 years



Manufacturing

Main manufacturing facility located in Brno, Czech Republic



Distribution

Offices in Russia, Turkey, Czech Republic, and the Canary Islands (Spain)



Research

Collaboration with over 30 research centers and laboratories worldwide



FIPRON CORD Technology

Revolutionary Approach

Thermally activated microencapsulated extinguishing agent in an aerosol-forming shell

Extreme Characteristics

Functions at temperatures from -50°C to $+80^{\circ}\text{C}$ with up to 80% humidity

Intelligent System

Works autonomously without human intervention





INNOVATIVE FIRE EXTINGUISHING TECHNOLOGY

Devices of various sizes, made in the form of a sticker or cord, using FIPRON™ technology, will be in "standby mode" for five years, and as soon as a fire occurs, it will automatically activate to extinguish it in the place where it is installed, thereby extinguishing the fire and preventing its further spread. To date, FIPRON has created various composite materials capable of suppressing fire. These materials include microcapsules with an environmentally friendly fire retardant composition enclosed within each capsule. When the activation temperature is reached, the microcapsule shell bursts, and the fire extinguishing agent is released. FIPRON™ products serve as an additional layer of safety to existing fire extinguishing systems, providing protection for electrical panels and electrical equipment, partially analogous to how automotive airbags provide safety for drivers and passengers in the automotive industry. FIPRON™ products can be easily installed in any electrical box or outlet of any type, located in buildings, vehicles, buses, trains, and anywhere there are electrical wires.

FIPRON™ cord and FIPRON™ stickers are designed to extinguish Class A, B, and E fires.



Rapid Fire Response

1

Fire Detection

System detects heat from fire at the earliest stage

2

Activation

Temperature exposure triggers release of fire extinguishing component

3

Fire Extinguishing

Fire is completely extinguished within 10 seconds

4

FIPRON products can be installed without interfering with electrical structures

5

Unique product can be used in any industry

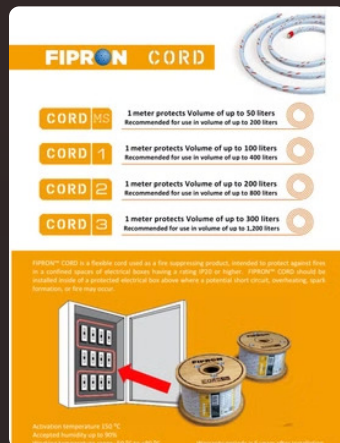


MICROCAPSULES

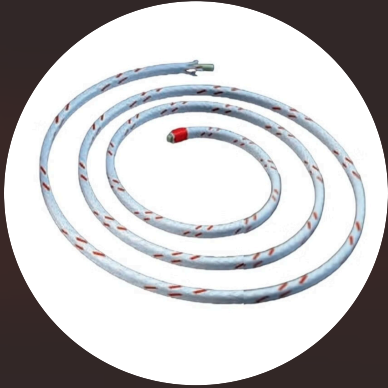
Microencapsulation technology is well known and widely used in many industries, but FIPRON™ technology is the first example of the application of microencapsulation technology in the field of fire extinguishing. Inside FIPRON-based products are tens of thousands of microcapsules that store an environmentally friendly fire extinguishing agent and provide fire extinguishing when the temperature they are designed for is reached. The polymer shell of the microcapsules keeps the fire retardant in working condition for five years after installation and is destroyed only at a certain temperature, releasing the fire extinguishing agent and turning each individual microcapsule into an autonomous micro fire extinguisher.

ABOUT PRODUCTS

All FIPRON™ products have unlimited application areas, as they can be applied in any field or anywhere there is an electrical connection. Being miniature in size and ranging from FIPRON™ STICKER to FIPRON™ CORD, they allow protecting large areas. FIPRON™ products can be installed in wall sockets, electrical panels, control panels, server rooms, computer workstations, televisions, refrigerators and many other consumer goods. FIPRON™ CORD can be easily installed in small, medium and large electrical boxes, which have no other alternative for fire extinguishing. The installation process is very simple and does not require any changes to the existing electrical equipment or hose watering, making it the most cost-effective addition to existing fire extinguishing systems. The possibilities for commercial use are practically limitless thanks to the extensive electrical wiring networks. Public places such as schools, universities, hospitals, shopping malls, museums, warehouses, and production facilities

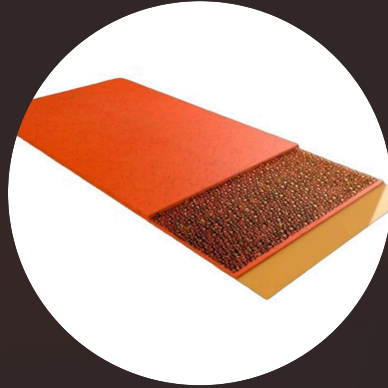


OUR PRODUCTS



FIPRON CORD

The innovative fire extinguishing system with thermally activated microencapsulated extinguishing agent in an aerosol shell FIPRON CORD (hereinafter referred to as the product or FIPRON CORD) is a fundamentally new extinguishing agent designed to extinguish fires of classes A2, B and equipment under voltage in small-volume protected objects without human intervention 4000 dm³ (electrical panels, cabinets with electrical equipment, cable ducts), located in rooms with a working temperature from minus 50 °C to plus 80 °C and a humidity of no more than 80 percent.



FIPRON STICKER

FIPRON STICKER is a miniature, autonomous, local fire extinguisher. It is designed to protect against ignition in electrical outlets, distribution boxes, power distribution panels, electrical cabinets and other electrical equipment with limited space from 0.2 to 60 dm³.

FIPRON STICKER is effective for extinguishing fires of classes A, B, C and is designed to protect any electrical connections. Its operating temperature is 120°C, and the range of normal ambient temperature is from -50°C to +80°C at a relative humidity of 90%.



FIPRON CANARIAS BOX

FIPRON CANARIAS Box:

additional protection for connectors for connecting solar panels and solar panel arrays. It is designed to protect electrical connections from fires, as well as to provide additional protection against the destructive effects of environmental factors (rain, snow, ultraviolet radiation, dust, dirt, etc.) on electrical cables." FIPRON CANARIAS Box is a box made of durable fire-resistant plastic, inside which there is a fire extinguishing product.



AEROSOL

Portable aerosol fire extinguisher

A new generation of portable aerosol fire extinguisher, consisting of an extinguishing agent, allows you to effectively extinguish flames of types A, B, C, E, F.

The latest mobile fire extinguisher, effective, can be operated with one hand. The latest portable fire extinguisher based on aerosol technology, the extinguishing range is 1-2 meters. Frse-F5 is very useful in the initial stage of a house fire, as well as in cars, vans or on board boats and yachts.

Safe and Sustainable Protection

Fully Autonomous

Maintenance-free for five years.
Self-activating without human intervention.

Safe for People and the Environment

Non-toxic formula. Does not harm the ozone layer.
Environmentally responsible.

Safe for Equipment

Does not damage high-tech equipment. Simple recovery process through ventilation.

Product Advantages and New Innovations

FIPRON CORD Features

Flexible base for installation in hard-to-reach areas
Automatic activation without electrical connection
No false triggers
Lightweight for easy transportation

2024 Innovations:

FRSystem LP Li: Protection for lithium-ion batteries
FRSystem LP R: Protection against fires in fryers/hoods
FRSystem LP M: Suppression of Class D fires with metallic combustible materials

2025 Innovations:

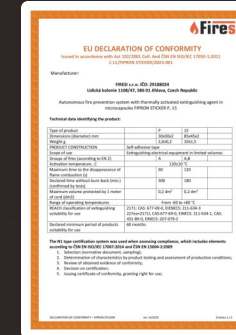
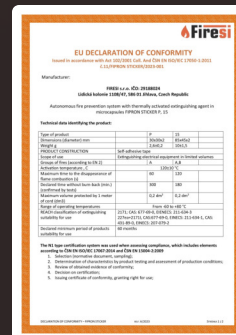
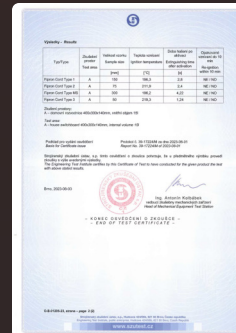
Special protection for trees against fires



Specialized Applications

The FIPRON team is constantly working on new developments for the highest quality fire protection, the introduction of innovative fire-fighting equipment and specialized systems for the effective extinguishing of oil and petroleum product tanks, for the protection of high-tech data processing centers such as data centers, data processing centers, battery storage, nuclear, wind, solar and hydroelectric power plants, critical infrastructure, and cooperates in this area with government agencies in many countries around the world to protect critical infrastructure.

Our Certificates





Global Partners and Expansion



We are expanding across Europe, the Americas, Asia, and the Eurasian Union.

Our growing client list includes SIEMENS, ORLEN gas stations, and we are in active negotiations with TESLA and SKODA.