



Fipron Canarias



FIPRON: Innovative Fire Suppression Solutions

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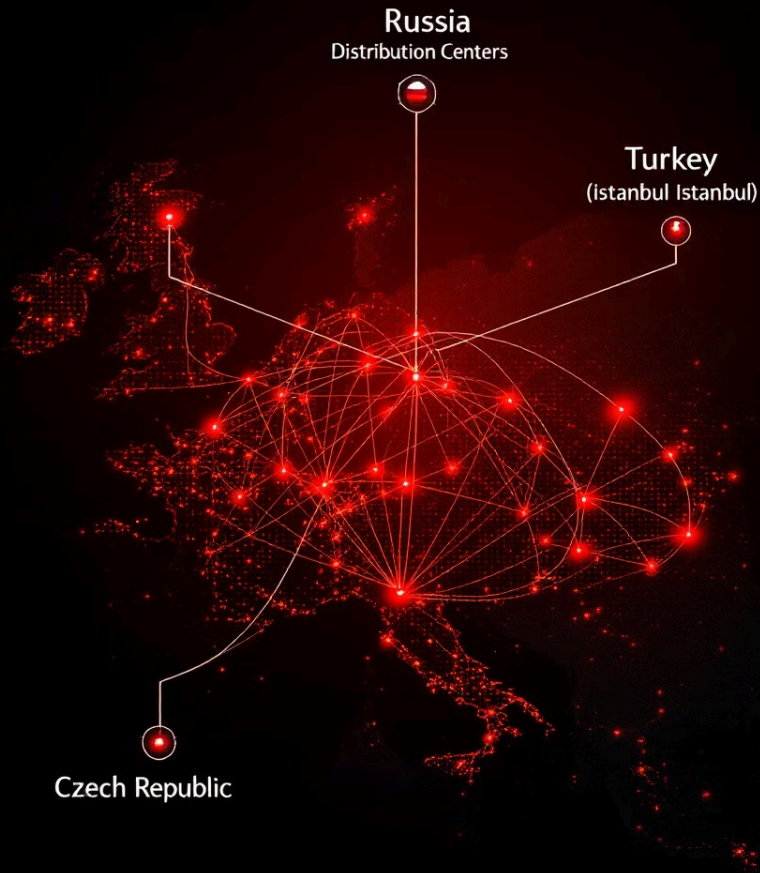
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About us

We introduce you the International group of companies working with FIPRON products, registered in the USA, with international Certificates and Test Protocols, which includes FIPRON GLOBAL, FIPRON CANARIAS, SALEN EXSTRA, FIRESI.

Global Presence & Expertise



Inventing

Creating cutting-edge fire suppression technologies for over 15 years



Manufacturing

Main production facility located in Brno, Czech Republic



Distributing

Offices in Russia, Turkey, Czech Republic and Canarian islands (Spain)



Researching

Collaboration with 30+ research centers and laboratories worldwide



FIPRON CORD Technology

Revolutionary Approach

Thermally activated microencapsulated extinguishing agent in aerosol-forming shell

Extreme Performance

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

Intelligent System

Works autonomously without human intervention





INNOVATIVE FIRE EXTINGUISHING TECHNOLOGY

A device 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 ensuring that it does not spread further. To date, FIPRON has created various composite materials technology capable of suppressing fire. These materials include microcapsules with an environmentally friendly flame retardant enclosed inside each capsule. When the activation temperature is reached, the microcapsule shell bursts and a 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, in part similar to what automotive airbags provide for the safety of 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, cars, buses, trains and wherever there are electrical wires exist.

The FIPRON™ cord and FIPRON™ stickers are designed to extinguish Class A, B and E fires of classes A, B, E



Rapid Response Fire Suppression

1

Fire Detection

System detects heat from fire at earliest stage

2

Activation

Temperature exposure triggers extinguishing component release

3

Fire Suppression

Fire is completely suppressed within 10 seconds

4

Installation of FIPRON CANARIAS products is carried out without intervention in electrical structures

5

Custom blended and may be used in any industry





MICROCAPSULES

Microcapsulation technology is well known and widely used in many industries, but FIPRON™ technology is the first ever example of the application of microcapsulation technology in the field of firefighting. There are tens of thousands of microcapsules inside FIPRON-based products that store an environmentally friendly extinguishing agent and ensure fire extinguishing when the temperature they are designed for is reached. Polymer shell of microcapsules It keeps the flame retardant in working condition for five years after installation and collapses only at a certain temperature, thereby releasing the extinguishing agent and turning each individual microcapsule into an autonomous micro-extinguishing agent.

ABOUT THE PRODUCTS

All FIPRON™ products have an unlimited range of applications, as they can be used in any field or anywhere with an electrical connection. Being miniature in size and ranging from a FIPRON™ STICKER to a FIPRON™ cord allows you to protect large areas. FIPRON™ products can be installed in wall sockets, electrical panels, control panels, server rooms, computer workstations, televisions, refrigerators, and many other consumer products. The FIPRON™ CORD can be easily installed in small, medium and large electrical boxes that have no other alternative for fire extinguishing. The installation process is very simple and does not require any changes to existing electrical equipment or hosing, making it the most cost-effective addition to existing fire extinguishing systems. The possibilities of commercial use are virtually unlimited due to the extensive electrical wiring networks. Public spaces such as schools, universities, hospitals, shopping malls, museums, warehouses, manufacturing facilities, and large residential and office buildings will be more protected with FIPRON™ products. FIPRON products create an additional industry in the field of fire protection. FIPRON™ products do not compete with It also creates additional safety by eliminating the risks of fire in their potential source. FIPRON™ products work locally, autonomously, do not require connection to a power source, and minimize damage to the equipment they protect, unlike traditional fire extinguishers. The automotive industry, the oil industry, gas stations, subways, buses, and power companies will all benefit from using FIPRON™ products and potentially reduce fire insurance costs.

FIPRON™ CORD integrates inflammation source at early stages of fire, prevents distribution of fire beyond limits of a protected space, and excludes external agents in the protected volume for over 30 minutes. Due to its elasticity it is simple in installation, does not require power source, and remains instantly ready for over five years without any maintenance.

FIPRON™ CORD is enclosed in a high-temperature resistant gas permeable mesh to ensure its mechanical strength, maintain elasticity and integrity, while allowing for the active ingredients to be released throughout its length at activation.



FIPRON™ CORD is safe for the environment and does not deplete ozone layer.

FIPRON CORD


CORD MS 1 meter protects Volume of up to 50 liters
Recommended for use in volume of up to 200 liters

CORD 1 1 meter protects Volume of up to 100 liters
Recommended for use in volume of up to 400 liters

CORD 2 1 meter protects Volume of up to 200 liters
Recommended for use in volume of up to 800 liters

CORD 3 1 meter protects Volume of up to 300 liters
Recommended for use in volume of up to 1,200 liters

FIPRON™ CORD is a flexible cord used as a fire suppressing product, intended to protect against fire in a confined space of electrical boxes having a rating IP20 or higher. FIPRON™ CORD should be installed inside of a protected electrical box above where a potential short circuit, overvoltage, leak formation, or fire may occur.



Activation temperature: 120 °C
Accepted humidity up to 90%
Working temperature range: -50 °C to +80 °C

Warranty period: 5 years after installation.

FIPRON STICKER

FIPRON™ STICKER is an autonomous fire suppressing product which contains a thermally activated microcapsulated fire suppressing agent FIPRON™. It is a fundamentally new solution designed specifically to protect from fire occurrences in electrical sockets, connectors, and electrical boxes having a rating IP20 or higher and a volume ranging from 0.55 to 25 liters.

FIPRON™ STICKER operates as an intelligent and autonomous fire suppression system and automatically activates at 120 °C at which point microcapsules burst and release fire suppressing agent FIPRON™ to extinguish a fire.

FIPRON™ STICKERS are flexible, easily installed in confined spaces, have different bending radius, lightweight and can be used in a temperature range between -50 °C to +80 °C.

The contents of the microcapsules are a gas extinguishing agent 3k™, 3k™ + 1210 FIRE PROTECTION FLUID (FK-S-12), C12O2/CO2/CF3O, 1,1,1,2,4,5,5,5-heptafluoro-4-(trifluoromethyl)-3-pentanol, which does not contain ozone-depleting substances.



Activation temperature: 120 °C
Accepted humidity up to 90%
Working temperature range: -50 °C to +80 °C

Warranty period: 5 years after installation.

FIPRON™ ADVANTAGES

- Innovative technology
- Does not require a power supply
- Suppresses fire at source
- Protects equipment by suppressing fire at source
- Fully autonomous and no maintenance is required for five years

Flexible in size and easy of installation allows for FIPRON™ Cord and FIPRON™ Sticker to be installed in hard to reach places

Wide range of operating temperatures from -50 °C to +80 °C and humidity up to 90%

Easy installation due to its form and does not require alterations to the existing equipment



FIPRON



Activation temperature: 120 °C
Accepted humidity up to 90%
Working temperature range: -50 °C to +80 °C

Warranty period: 5 years after installation.

FIPRON STICKER

FIPRON™ STICKER P is a plate type fire suppressing product, intended to protect against fire in a confined space of up to 0.55 liters of electrical boxes, switches, wall systems having a rating IP20 or higher. It should be installed inside of a protected electrical box above where a potential short circuit, overvoltage, spark formation, or fire may occur.

Activation temperature: 120 °C
Accepted humidity up to 90%
Working temperature range: -50 °C to +80 °C

Warranty period: 5 years after installation.

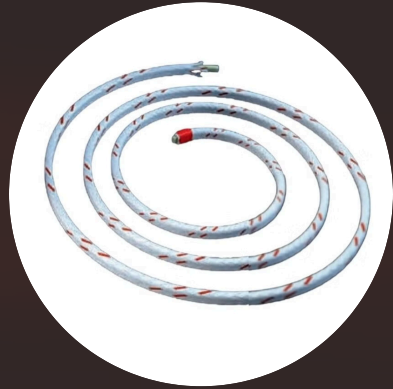
FIPRON™ STICKER 15 and 25 is a plate type fire suppressing product, intended to protect against fire in a confined space of electrical boxes having a rating IP20 or higher. FIPRON™ STICKER 15 will protect electrical box having a total volume of up to 15 liters and FIPRON™ STICKER 25 will protect electrical box having a total volume of up to 25 liters.

Activation temperature: 120 °C
Accepted humidity up to 90%
Working temperature range: -50 °C to +80 °C

Warranty period: 5 years after installation.



OUR PRODUCTS



FIPRON CORD

Innovative fire extinguishing system with a thermally activated microencapsulated fire extinguishing agent in an aerosol-forming shell FIPRON CORD (hereinafter referred to as the product or FIPRON CORD) is a fundamentally new fire extinguishing agent designed for extinguishing class A2, B fires and live electrical equipment in small-volume protection facilities without human intervention 4000 dm³ (electrical panels, cabinets with electrical equipment, cable ducts), located in rooms with an operating 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 suppression extinguisher. It is intended to protect against inflammation in the electric sockets, junction boxes, power distribution boards, electric cabinets, and other electrical equipment having confined space of 0.2 to 60 dm³.

FIPRON STICKER is efficient for liquidating fires of class A, B, C, and is intended for the protection of any electric interconnections. Its operating temperature is 120°C and is normal ambient temperature range is from -50°C to +80°C with relative humidity of 90%.



BOX FIPRON CANARIAS

FIPRON CANARIAS Box:

additional protection of connectors (connectors) for connecting solar panels and arrays of solar panels. Designed to protect electrical connections from fires, as well as for additional protection from 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 of which there is a fire extinguishing product.



AEROSOL

Handheld aerosol fire extinguishing spray

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

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

Safe & Sustainable Protection

Fully Autonomous

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

Human & Environment Safe

Non-toxic formula. No harm to ozone layer. Environmentally responsible.

Equipment Friendly

No damage to high-tech equipment. Simple recovery process through ventilation.

Product Advantages & New Innovations

FIPRON CORD Features

Flexible base for hard-to-reach installations
Automatic activation without electrical connection
No false alarms
Lightweight for easy transport

2024 Innovations

FRSystem LP Li: Li-ion battery protection
FRSystem LP R: Fryer/fume hood protection
FRSystem LP M: Class D metal fire suppression

2025 Innovations

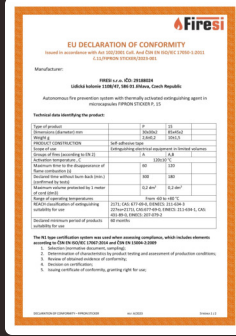
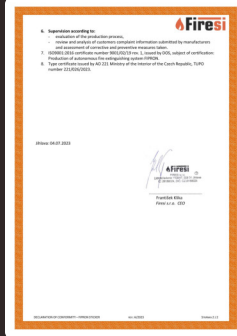
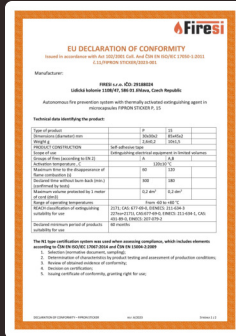
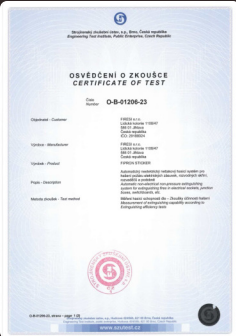
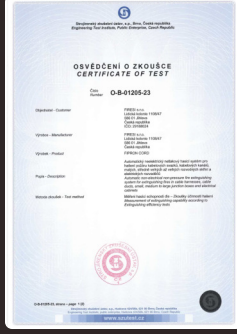
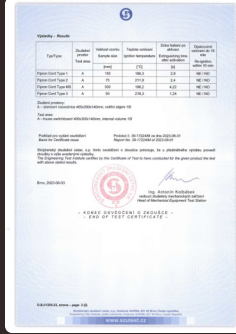
Special protection of trees from fires



Specialized Applications

FIPRON team is continuously engaged in new developments for fire protection of the highest quality, the introduction of innovative fire extinguishing equipment and specialized systems for the effective extinguishing of tanks with oil and petroleum products, for the protection of high-tech data centers such as server rooms, data - centers, battery storage, nuclear, wind, solar and hydroelectric power plants, critical infrastructure, cooperates in this field with government agencies in many countries around the world for the protection of critical infrastructure.

Our Certificates





Global Partners & Expansion



We're expanding across Europe, America, Asia, and the Eurasian Union.

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