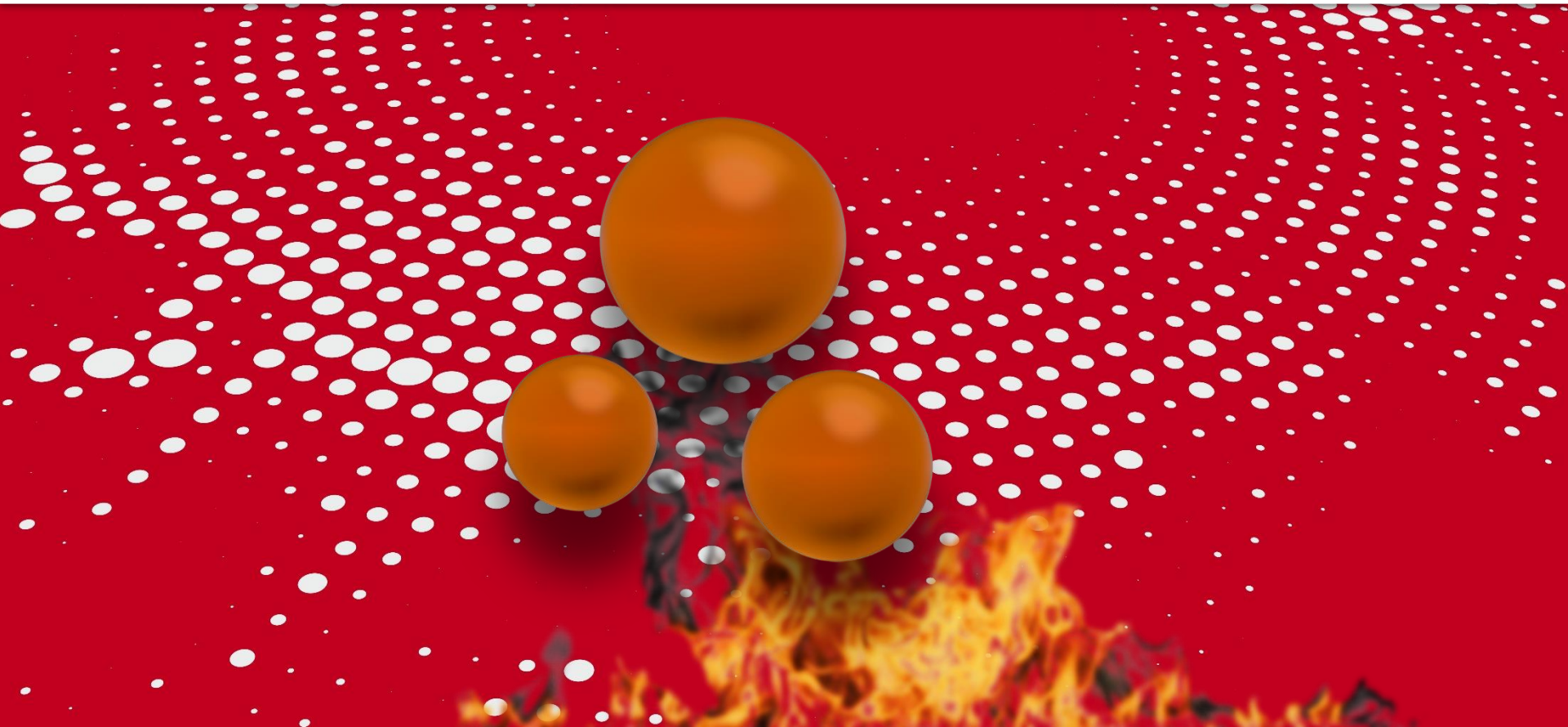




Innovative solutions for firefighting

# **Revolutionary fire extinguishing products based on microencapsulation technology**



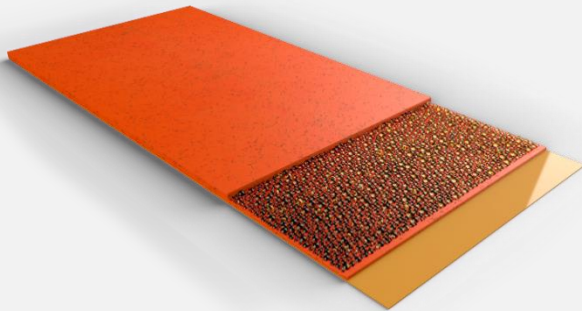


**FIPRON fire extinguishing products are made using patented technology enabling them to remain in the standby mode for over five years. Microcapsules contained in our product are activated in the event of a fire and automatically extinguish it at the very beginning.**

Our composite materials made with the FIPRON technology have the capability to suppress fire at its source. The structure of our materials contains microcapsules which are activated in the event of a fire. When activation temperature is reached, capsule shell bursts and releases extinguishing agent. The agent replaces the oxygen, chills the surface, and effectively extinguishes the flame.

## STICKER

### Plate type fire extinguisher



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 0.02 to 60 dm<sup>3</sup>.

## CORD

### Cord type fire extinguisher



FIPRON CORD is a new generation fire suppression product. It is a cord of composite materials having a mixture of microcapsules with a heating compound. Under the effect of a fire at any point on FIPRON CORD, an initiation of the heating compound occurs with subsequent chemical reaction through its length. The reaction is accompanied by heat discharge which results in the bursting of all microcapsules of extinguishing agent.

## PAINT

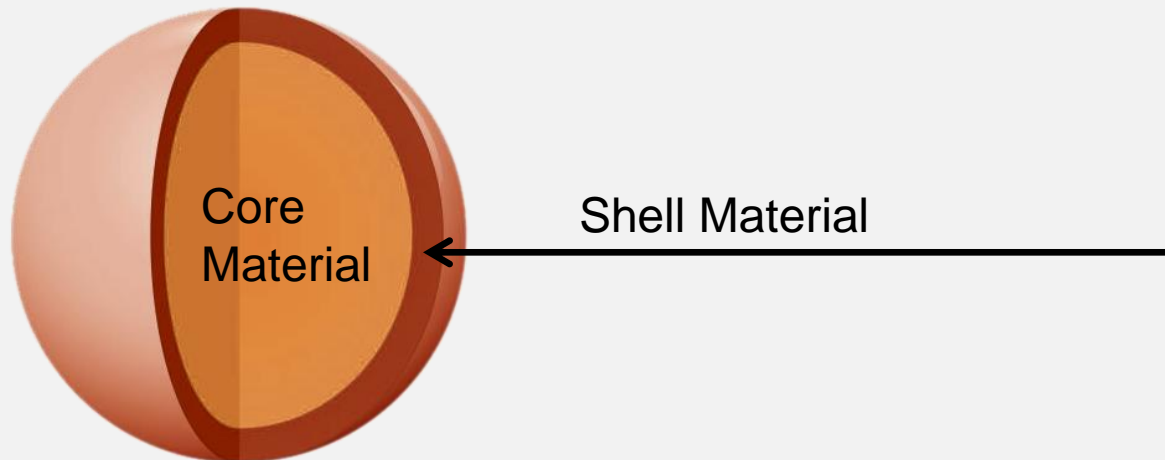
### Paint type fire extinguisher



FIPRON PAINT is mostly designed for industrial applications. It is adjustable to the requirements of viscosity, adhesion, working temperature. As a result of the application of FIPRON PAINT any surface acquires the ability to suppress a fire.

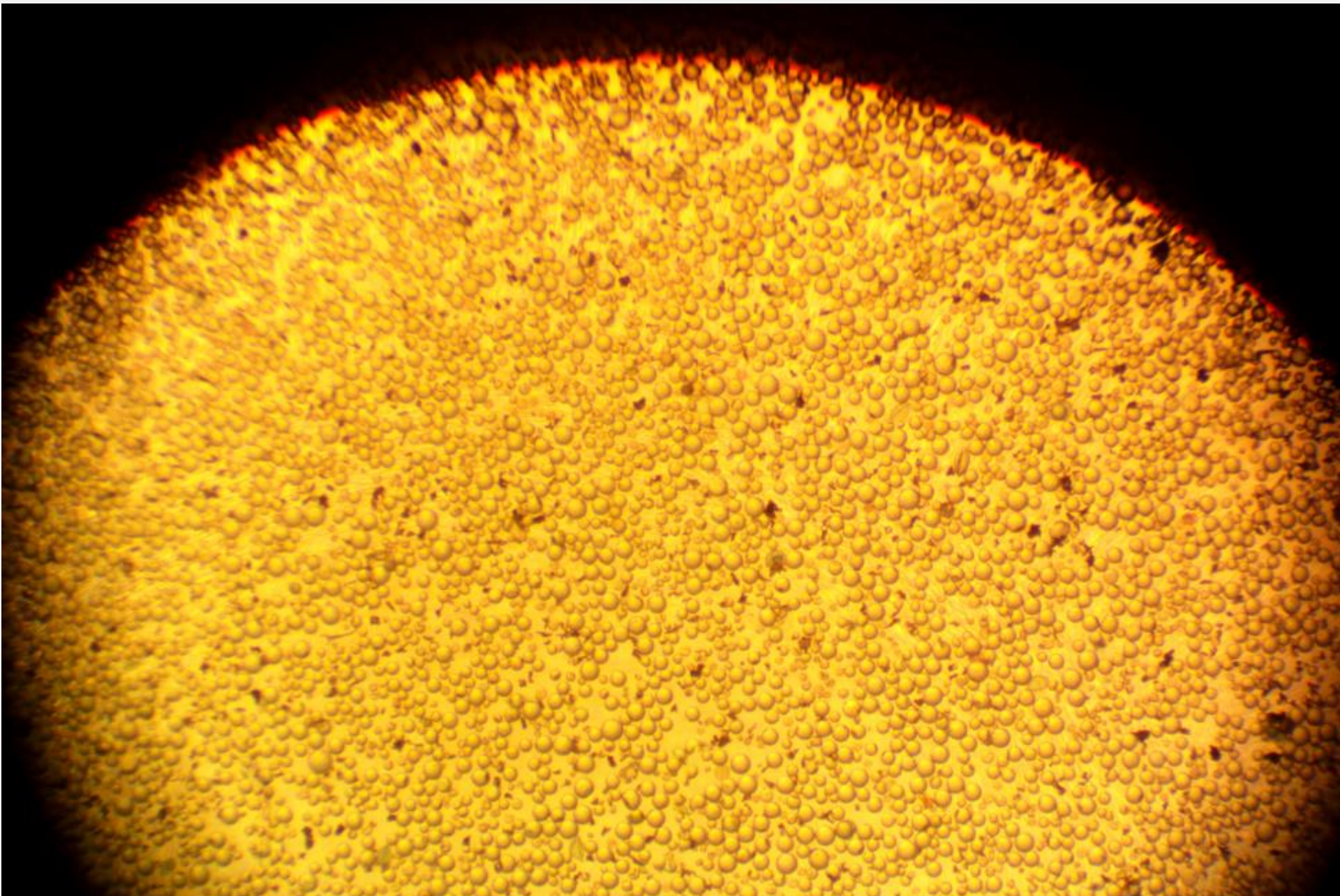


# MICROENCAPSULATION



**Extinguishing agent with different types of liquid and solid polymers.**

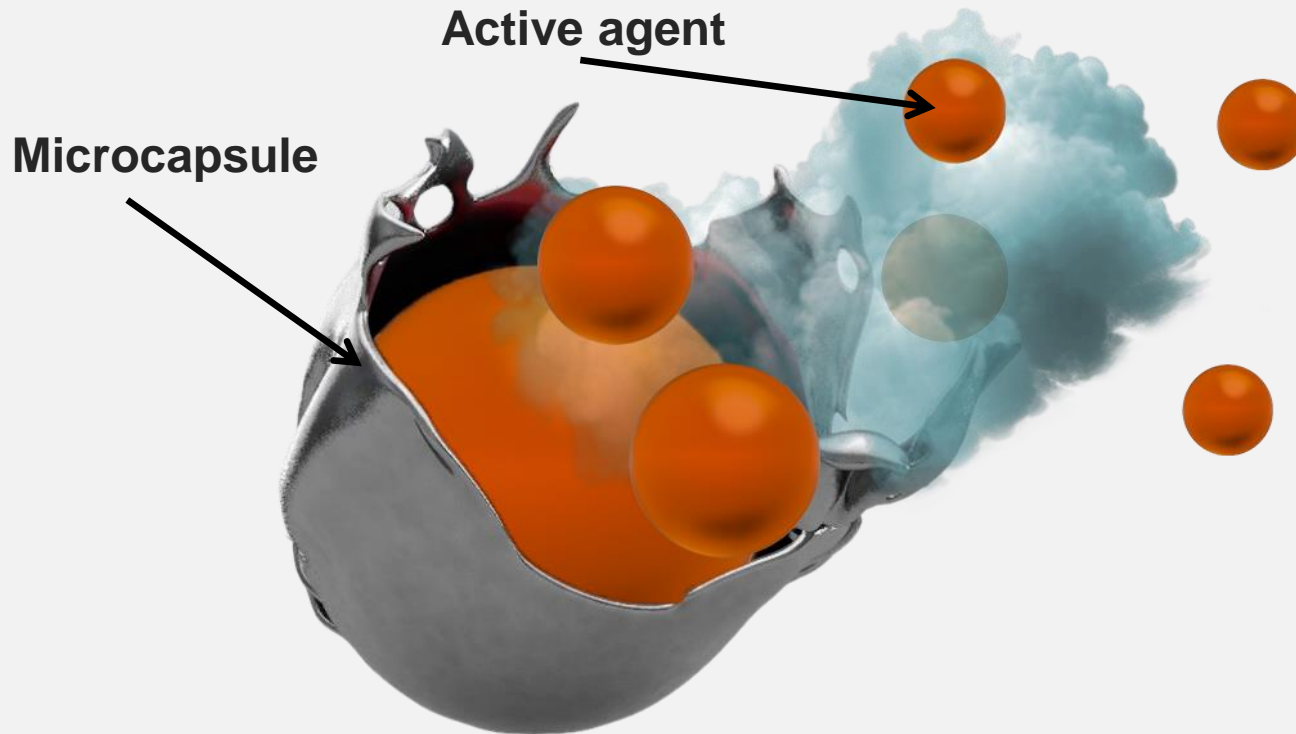




**Microcapsules**

**FIPRON is the first company that uses microencapsulation technology in its products for fire extinguishing purposes. We have created a miniature autonomous fire extinguisher.**

**Hundreds of thousands microcapsules contain an active fire extinguishing agent which is activated in the event the temperature is reached 120 C. At this temperature microcapsules burst, filling the volume with gases that displace oxygen and make coolant effect to guarantee the extinguishing.**

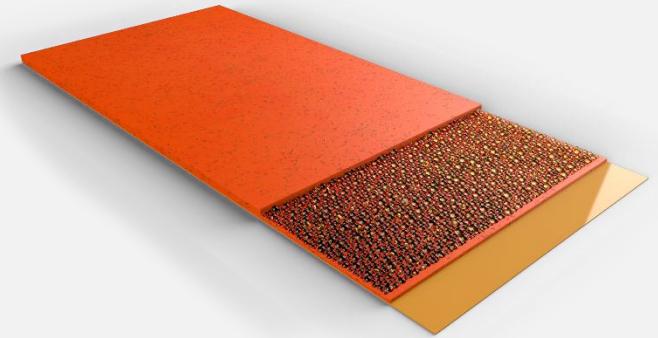
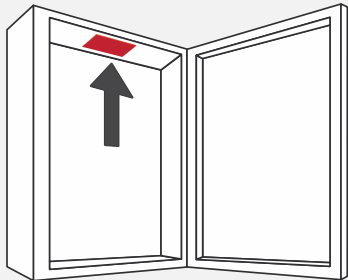
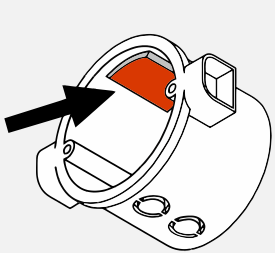




# FIPRON STICKER

## Areas of use

- electric sockets
- junction boxes
- power distribution boards, electric cabinets
- other electrical equipment having confined space of 0.02 to 60 dm<sup>3</sup>





# FIPRON CORD



## Areas of use

- low voltage electrical equipment
- cable channels
- other electrical equipment having confined space of up to 2,000 dm<sup>3</sup>



# FIPRON PAINT



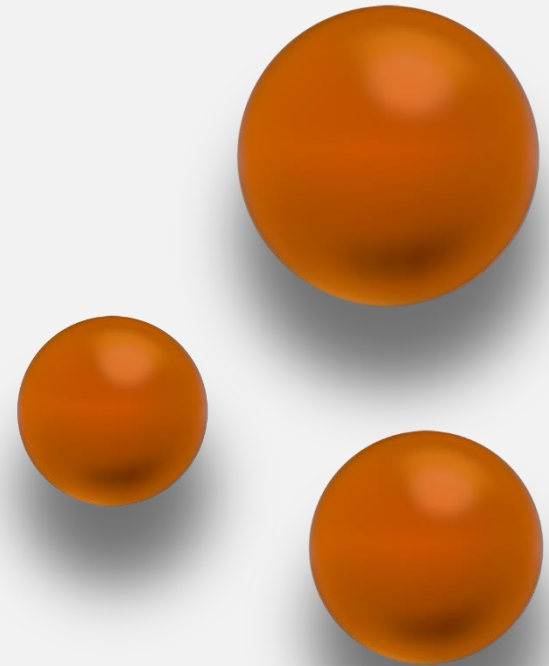
## Areas of use

- cable channels
- any other surface requiring fire prevention



# ADVANTAGES

- ✓ High fire extinguishing efficiency which occurs directly in the place of inflammation
- ✓ Great level of electrical equipment protection
- ✓ Miniature size
- ✓ No maintenance required for up to 5 years
- ✓ Autonomy - does not require a power supply
- ✓ Unique simplicity and low installation costs
- ✓ A wide range of operating conditions with environmental parameters: temperature from -50C to + 80C, humidity up to 90%).







**Thank you for  
your attention !!!**