



DISTRIBUTION

www.k5safetypatch.com



K5 DISTRIBUTION LTD

(a member of K5 Group), is a Hong Kong based company, offering innovative firefighting products, solutions and technologies to the global market.

OUR MISSION:

- To save lives and property;
- To provide innovative fire safety solutions globally to businesses and consumers;
- To develop and distribute new products and solutions to meet our customer's needs;

K5 TECHNOLOGY

K5 technology is a cutting edge fire extinguishing technology. At our K5 laboratories, we have developed a wide range of composite materials and products capable of suppressing fires. These materials contain our patented K5 Technology microcapsules. The microcapsules store an ozone friendly, fire extinguishing agent and are designed to release this agent only if their heat-sensitive shells reach a predetermined set temperature. At this temperature the shell of the capsule bursts and the extinguishing agent is suddenly discharged and projected in the direction of the fire. A device of any form, size or material, incorporating K5 technology can safely remain in "standby mode" for many years but when activated, will automatically target the fire at the place where it occurs, preventing the fire from developing.

K5 - BASED (COMPOSITE) MATERIALS

With the application of K5 technology to compounds and materials, we have developed a wide range of highly efficient, multi-purpose, standalone, fire-extinguishing products. Our range of fire extinguishing paints, powders, foams, tapes, cords, ropes, adhesive stickers, flexible plates, solid and plastic multilayer composites are now available for worldwide distribution. Any new product or composite material incorporating K5 technology represents a cutting-edge innovation unmatched in the world of fire suppression.

K5 TECHNOLOGY

Eco-friendly - ozone friendly and reusable components;

Maximum safety / Maximum efficiency - the exact quantity of suppression agent required to extinguish the fire will only be released when the heat-sensitive shells of the microcapsules reach a preset activation temperature. False activation is impossible;

Easy to install - user friendly / easy installation thanks to the innovative design;

Autonomous / Self-contained - the fire extinguishing agent is automatically released only when the preset activation temperature is reached. There is no need for an energy source or any extra controlling devices;

Water resistant - direct contact with water or high humidity does not affect the products;

Mechanical stability / Chemical neutrality - the polymer microcapsules used in the products safely store the fire extinguishing agent. The products are chemically neutral and are resistant to high and low atmospheric pressure, vibration and shocks;

Low weight / High fire suppression capacity - Due to its low weight and compact size, handling and storage costs are kept low while fire suppression capacity remains high.

Easy to use and operate - low operating and maintenance costs over the utilization period;

Safe for equipment - electronic equipment inside the protected volumes will not be damaged by product activation.

Low expenses - Lowest price per cubic decimeter of protection available on the market. The aggregate cost for shipping, storage, installation and maintenance throughout the life cycle of the product is extremely small.

K5 SAFETY PATCH PRODUCT RANGE



The K5 SAFETY PATCH is a miniature self-contained, automatic, local fire suppression device, incorporating K5 technology and is used to provide fire protection to electrical equipment such as electrical sockets, junction boxes, power distribution boards, electrical cabinets and other electrical equipment that operate within a confined space. The safety patch comes in a range of different sizes and can protect volumes from 0.02 and 60 dm³ (cubic decimeters).

The K5 SAFETY PATCH is a self-adhesive flexible plate that contains the K5 composite fire suppressing material. To mount the device, simply stick the patch horizontally above the potential source of ignition to provide immediate fire protection. The K5 SAFETY PATCH is available in 5 different models depending on the volume requiring protection. The models available are: SPS, SP15, SP25, SP45 and SP60.

K5 SAFETY PATCH MODEL S

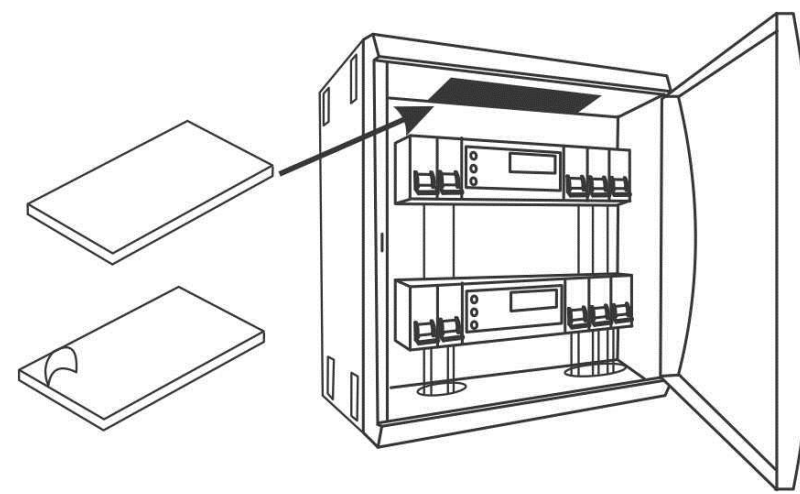


The **K5 SAFETY PATCH (S)** is a 3x3 cm (9cm²), 2mm thick, flexible adhesive plate that is designed for the efficient extinguishing of Class A, B and C fires and is used primarily to protect electrical sockets. To mount the device, simply stick the patch inside the socket box, above the area susceptible to short-circuits, overheating or spark formation, to provide immediate fire protection. The **K5 SAFETY PATCH (S)** can also be installed in any small-sized electrical devices, such as switches, junction boxes, closed elements of lighting fixtures, relay cases, electric motor connection boxes, etc. The **K5 SAFETY PATCH (S)** does not require servicing. Activation temperature: 120 °C / Recommended ambient temperature: -50 to + 65 °C / Warranty period: 5 years



K5 SAFETY PATCH (MODELS SPS, SP15, SP25, SP45 and SP60)

The **K5 SAFETY PATCH** (SP15, SP25, SP45 and SP60) - is a range of functionally identical products, in the form of flexible adhesive plates 3mm thick, that are placed inside of the device requiring protection, above the potential source of fire. The **K5 SAFETY PATCH** (SP15, SP25, SP45 and SP60) is designed for the efficient, automatic extinguishing of Class A, B and C fires within the specified volume. The **K5 SAFETY PATCH** has many industrial and residential uses, for example: protection of electrical cabinets, power supplies, circuit breaker panels, distributions boards AC and DC, load center/centers, consumer units, household appliances, air conditioning units, storage cabinets and safes securing documents and valuables, etc. The numeric part of the **SAFETY PATCH** index, (15 / 25 / 45 / 60), corresponds to the protected volume in liters (dm³). Activation temperature: 120°C / Recommended ambient temperature: - 50 to + 65°C / Warranty period: 5 years.



K5 PATCHPAINT

K5 PATCHPAINT is an innovative multi-purpose fire suppression product, designed with the application of K5 technology. K5 PATCHPAINT is a fire retardant polymer coating (paint with fire retardant feature). Fire suppression is provided by the microcapsules contained in the K5 PATCHPAINT. K5 PATCHPAINT is primarily designed for industrial applications, for example, the provision of fire extinguishing features to large surface areas. K5 PATCHPAINT can be applied to surfaces by any standard painting method. The viscosity, adhesion, working temperature etc. can all be adjusted to meet the specific fire protection requirements. As a result of the application of K5 PATCHPAINT, any surface acquires the ability to suppress fire (technological limitations apply).