

# FIRE KNOCK OUT



*Put out fires in seconds!*



## A revolutionary fire-fighting agent

Fire Knock-Out is a new and revolutionary fire-fighting agent, which is lightweight, small and easy to use. The product starts working at lightning speed upon contact with fire - throttling the fire before it has a chance to grow and minimizing follow-up damage.

Its low price point now makes it possible for everyone to effectively protect himself/herself and his/her possessions from one of the most frightening dangers known to man: FIRE!

### Mode of action

The Fire Knock-Out system is rather special, as it automatically launches itself upon contact with fire and then extinguishes the fire within just a few seconds. The plastic container is filled with a special fire-fighting liquid and triggering powder, to which a fast fuse is attached. As soon as the fuse comes into contact with fire, the container bursts open. As a result, for a brief moment in time, all the surrounding oxygen is depleted, causing the fire to immediately die out. The liquid in the extinguisher, which is transformed into tiny water droplets, cools down the seat of the fire, while the buffer compounds added reduce the chance of the fire getting started again to an absolute minimum.

This whole process lasts only a few seconds, and the plastic debris remaining behind can easily be collected and completely recycled.

Getting close to the seat of a fire is often impossible due to the enormous heat and usually

not smart anyway, as goods which are hidden by quickly developing smoke clouds may suddenly explode. The low weight of the Fire Knock-Out also allows one, when necessary, to roll the product from a safe distance quickly and effectively into the seat of the fire. The quick fuse used has a plastic outer layer and is therefore water resistant. In addition to its own unique and specific properties, the product can also be used very effectively in conjunction with more traditional fire-fighting equipment.





## Product information

Fire Knock-Out (FKO) comes in 2 types and 3 models. The first and most common type is water-based. The second type, which is foam-based, can be used for fighting specific (electrical) fires and fires involving flammable (volatile) liquids. Both types can be used in closed-off spaces as well as for outdoor fires. The product is also available in 3 size models: 1 kg, 5kg and 19kg.

Due to their small weight and size, the first two models are very well-suited for mobile use.

The 5kg model has a plastic handle, making it easy to carry around or hang up as a preventive measure. The 19 kg model is intended for preventive use only and should be installed in places where the risk of fire is high.

When properly used, the system has no limitations, and there is a suitable product model available for every type of fire. The packaging is hermetically sealed against dust and moisture, limiting maintenance to periodic visual checks.

## Applications

Fire Knock-Out is a new and extremely effective fire-fighting and rescue agent, which can be used in a large variety of situations, both in a preventive as well as more active mode. Examples include fires in homes, barns and ships, as well as cattle and storage sheds, LPG and petrol stations and forest fires. As the product is self-activating, it is very suitable for quickly fighting fires which start in unguarded areas.



## Tests

Fire Knock-Out is the end result of 15 years of research. It has been tested very extensively regarding all possible aspects and applications. Fire brigades have used it very successfully in fighting fires as well as in creating a safe escape route after a sudden shift in wind direction. Large forest fires have also been successfully fought with the help of helicopters, which used the Fire Knock-Out system to extinguish fires faster than was possible with more conventional methods. The product has undergone further development to make it suitable for general use. During tests carried out by the Institute for Safety and Environment (IVM) in Coevorden, the Netherlands, the Nibra also expressed interest in the Fire Knock-Out product line. The line will soon be expanded to include a Fire Knock-Out model which is self-activating in case of smoke. As soon as there is smoke (and generally fire as well), the product launches itself.

A model which can be activated radiographically, i.e. from a distance, is also under development. The double activation mode ensures that if, for whatever reason, the radiographic signal cannot be given, the product will launch itself anyway based on temperature.

## Sales information

Immediately after its European launch (June 2005), the product line will be directly available from stock. Elsuda has a dealer network throughout Europe. For more info, go to:

**[www.fireknockout.com](http://www.fireknockout.com)**



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dealer:

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