



# FIT-5

## Fire Interruption Technology™

A field proven fire suppression system, Fire Interruption Technology™, knocks down fire by generating a dense cloud of ultra-fine potassium salt compounds. These compounds interrupt the fire tetrahedron at the molecular level without affecting oxygen.

## FIT-5

The FIT-5 is a handheld portable Fire Interruption Technology™ device. It is intended for use by first responders as a light attack tool for Class A, B, C and K structure fires.

## Suppression Effects

The FIT-5 can be deployed in all stages of fires in which the aerosol will not immediately vent. When deployed in accordance with the product specifications and accepted conditions for use, the FIT-5 will:

- reduce temperature by as much as 700°F
- knock down flame, and hold it down for as long as the aerosol remains contained
- prevent flashover

## Benefits and Results

The successful use of a FIT-5 provides the following benefits:

- buys time for crews to arrive and set up attack
- makes the fire ground safer
- reduces property damage
- reduces wear and tear on equipment
- reduces the amount of water required
- preserves evidence of fire cause

## Recommended Use

ARA Safety recommends that departments integrate the FIT-5 into their light attack and early response strategies. At a minimum, ARA Safety recommends departments be equipped with four FIT-5 units per station, placed on vehicles that generally arrive first on scene.

In rural areas, some departments have elected to strategically locate units in the homes/personal vehicles of volunteers to further reduce response times.

## Health and Safety

Although ARA Safety recommends that firefighters wear personal protective equipment and self-contained breathing apparatus, the aerosol powder is non-toxic and does not affect oxygen levels. The powder is composed primarily of potassium bicarbonate, and contains no sodium and no chlorine. The powder is safe for use near electronic and other equipment.

## Suppression Ratings

The FIT-5 has been tested by a nationally recognized laboratory and found to be effective on Class A, B and C fires in contained spaces. A single FIT-5 will completely knock down a fire in a 2100 cubic foot room, and has been proven to slow the spread of fire in much larger spaces.

## Testing and Compliance

After thorough testing by nationally recognized laboratories, ARA Safety's handheld Fire Interruption Technology products have been found to meet the UL-711 Standard for handheld fire extinguishers when used in contained spaces.

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