



# Stat-X<sup>®</sup>

## First Responder<sup>®</sup>

### Features

- significant fire "knockdown" and rapid suppression capabilities for enclosed spaces
- environmentally friendly - No ozone depletion potential - No global warming potential
- Safe for fire fighters and any occupants trapped by fire
- No oxygen depletion – suppresses at very low concentrations
- Provides a reliable, cost effective fire protection tool for a wide range of fire scenarios
- Small, compact, and easily portable to point of attack

### Applications

The First Responder is a new and innovative tool designed to aid in the suppression of fires and for use as a personal protection device for fire fighters in emergency egress or entrance situations. It is physically and functionally similar to a smoke grenade - with the major difference that it delivers a highly effective aerosol fire suppression agent - Stat-X.

Typical application scenarios include:

Scenario A—Police arrive at the scene of an early stage fire. After assisting in getting people out and before firefighters arrive at the scene, toss First Responders into the rooms which are involved with the fire. This will buy time for further rescue and for the firefighters to arrive.

Scenario B—Firefighters are concerned about potential flashover from a fire down a hall and water isn't yet available. The firefighters toss First Responders ahead as they advance to eliminate many of the contributing factors of a flashover.

Scenario C— A firefighter is trapped or can't get to a victim due to an intense area of fire. Toss a First Responder into the flame area for immediate fire suppression. The First Responder creates a "bridge" of protection for both victim and fire fighter.

### Operation / Description

The small size of the First Responder makes it easily portable. In the event of a fire, First Responder units are activated by removing the safety clip and pulling the ring pin. The unit can then be thrown near the fire - where it will actuate following a 5 second time delay. Upon activation, the First Responder produces an exceptionally effective, ultra-fine, potassium based aerosol that provides extremely fast knockdown and rapid suppression of fires. On an agent weight basis, Stat-X aerosol is significantly more effective than other agent alternatives. It does not reduce the oxygen levels. Fire suppression is achieved through interference between the ultra-fine aerosol particulate and the flame's free radicals – terminating propagation of the fire. The agent will hang in suspension after delivery providing ongoing suppression capabilities.



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