



Portable Fire Extinguishers: Occupancy Hazards, Selecting and Calculating Coverage

1.5 Hours 0.15 CEUs ICC Course #24925

The *Portable Fire Extinguishers: Occupancy Hazards, Selecting and Calculating Coverage* virtual training course provides participants a deeper dive into understanding fire extinguishers, including how to determine the number of extinguishers installed, based on occupancy hazards, by explaining the proper selection and calculation process. This is segment 3 of a 3-part series.

Content includes educating participants on the following topics:

- 6-Year Maintenance
- Recharging
- Hydrostatic Pressure Testing
- DOT and Non-DOT Cylinders
- Condemning Fire Extinguishers
- Types of Occupancy Hazards
- Selection of Fire Extinguishers
 - Types of Fire
 - Size of Fire
 - Occupancy Hazards
- Calculating Fire Extinguisher Coverage
 - Class A
 - Class B
- Selecting for Specific Hazards
 - Pressurized Flammable Liquid or Gas Fires
 - Gravity/Three-Dimensional Fires
 - Obstacle Fires
 - Combustible Cooking Media Appliances
 - Areas Containing Oxidizers
 - Class D Combustible Metals

Learning Objectives:

- Internal Maintenance can be done at the time of recharge.
- Different Fire Extinguisher types are hydrostatically tested at specific, differing intervals. For example, a Wet Chemical Extinguisher gets hydrostatic tested every 5 years.
- When a fire extinguisher fails a hydrostatic test or fails a visual examination, it shall be condemned.
- How to properly label a condemned fire extinguisher.
- Light, Ordinary, and Extra Fire are the 3 types of Occupancy hazards.
- Primarily, the quantity and combustibility of Class A combustibles and amounts of Class B flammables drive the type of occupancy hazard.
- Extinguishers shall be provided for the protection of both the building structure and the occupancy hazards.
- The minimum number of extinguishers for Class A hazards shall be sufficient to meet the area coverage or the travel distance (or the greater of the two).
- The proper steps in calculating extinguisher coverage for Class A hazards.
- The 3 special Class B fire types are Pressurized Flammable Liquid or Gas fires, Gravity/3- Dimensional fires, and Obstacle fires.
- Class K Extinguishers are to be used AFTER the fire suppression system is activated.

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