



## Spray paint booth—Best practices



### Protection

- All spray paint booths should be equipped with an approved fire suppression system.
- The automatic fire protection system shall be permitted to be, and shall be installed in accordance with, any of the following:
  - An automatic water sprinkler system, an automatic foam water sprinkler system, a carbon dioxide extinguishing system, a dry chemical extinguishing system or a gaseous agent extinguishing system.
  - An installed system must meet all applicable requirements of related NFPA (National Fire Protection Association) regulations.
- Sprinklers shall be protected against overspray residue, so that they will operate quickly in the event of a fire.
- Sprinklers that have been painted or coated by overspray or residues shall be replaced with new sprinklers.
- Portable fire extinguishers shall be provided and located in accordance with NFPA 10.
- Eighteen inches of clearance should be between exhaust ducts and unprotected combustible materials.

### Maintenance

- Maintenance procedures/cleaning schedules should be established to ensure that all spray application apparatus and processes are operated and maintained in accordance with the manufacturer's specifications.
- Inspection of extinguishing systems shall be conducted to ensure the performance of the extinguishing system components.
- High-pressure hose lines that convey flammable or combustible coating material in "airless spray" application operations shall be inspected daily.
- Overspray collector filters shall be inspected daily and replaced before restriction to airflow is reduced below the minimum designated level.
- Approved waste containers shall be provided for rags or waste that are saturated with sprayed material.



# THINK SAFETY



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### Flammable Liquids

- The volume of Class 1, 2 and 2A liquids stored in a storage cabinet shall not exceed 120 gallons.
- Flammable/combustible liquids should be mixed only in a mixing room or spray area.
- The volume of flammable/combustible liquids in the spray booth area should not exceed one day's worth of liquids.

### Electrical

- Electrical wiring and equipment must be suitable for a Class I Division 1 or Class II Division 1 location.
- Extension cords or other electrical plug-in cords should not be used in the spray paint booth.
- Portable electric light fixtures should not be used in a spray paint booth.
- Any electrically conductive parts should be bonded and/or grounded to prevent the creation of any static sparks.

### Respirators

- A written respirator program that includes employee fit testing, respirator maintenance and air sampling records should be maintained.

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