



Sioux Falls Fire Rescue



Fire Prevention Division
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Sioux Falls, SD 57104

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Fire & Life-Safety Checklist:

Flammable and Combustible Finishing

The following Fire Code requirements are specific for **Flammable and Combustible Finishing** occupancies and should be used as a *supplement* to the "**Commercial Business Fire and Life-Safety Checklist**".

PORTABLE FIRE EXTINGUISHERS

- One 40-B fire extinguisher per 30 ft. of travel distance (80-B/50 ft.).
- Extinguishers are visible, readily accessible, and mounted no higher than 5 ft. above the floor to the top of the handle.
- Extinguishers are serviced and tagged ***annually*** by a fire extinguisher service contractor.

AUTOMATIC SPRINKLER SYSTEMS

- Required systems are maintained, tested and tagged ***annually*** by an automatic sprinkler systems contractor.
- Sprinkler pipe, heads and other appurtenances are free of decorations and/or attachments.
- Defective or compromised sprinkler heads (recalled, corroded, painted) are replaced.
- 18" of clear space is maintained below sprinkler heads.
- Maintenance and testing records are maintained at the facility and available for review by fire officials.
- Spare sprinkler heads and wrenches are present in sprinkler cabinets located near the fire riser/s.

FIRE ALARM AND DETECTION SYSTEMS

- Required systems are maintained in normal operation, and are tested within the approved schedule by a "qualified person" as defined in the SFFR Policy Bulletin 09-22.

MEANS OF EGRESS

- Exit doors, aisles, corridors and stairs are free of obstructions and storage.
- Exit and egress doors are prohibited from having special locking mechanisms that could delay an emergency egress such as special fasteners, chains, or deadbolts.
- Exit signs are visible, illuminated and the battery backup functions properly.
- Emergency lights are visible and operate.

FIRE-RESISTANCE-RATED CONSTRUCTION

- The required fire-resistance rating of fire-resistance-rated construction shall be maintained.
- Opening protectives (fire doors) shall be maintained in an operative condition in accordance with NFPA 80.
- Horizontal and vertical sliding and rolling fire doors shall be inspected **annually**.
- Flammable vapor vent opening protectives shall be maintained. Fusible links shall be replaced promptly whenever fused or damaged.

PROTECTION OF OPERATIONS

- Electrical wiring and equipment located within flammable vapor areas shall comply with chapter 15 of the Fire Code and NFPA 70.
- Open flames and spark-producing devices shall not be located in flammable vapor areas and shall not be located within 20 ft. of such areas unless separated by a permanent partition.
- Heated surfaces having the temperature sufficient to ignite vapors shall not be located in flammable vapor areas or subject to the accumulation of deposits of combustible residues.
- Metal equipment/containers used anywhere in the spray process shall be grounded/bonded.
- Smoking and welding are prohibited in vapor areas.
- Storage of flammables shall be in listed cabinets and/or areas.
- Cleaning with flammable liquids shall be performed in listed equipment or approved areas.
- Excess accumulation of overspray shall be cleaned with non-sparking tools, operations shall cease until conditions are corrected, and removed residues shall be properly disposed of immediately.
- Listed waste containers shall be utilized, and contents disposed of daily.

SPRAY FINISHING

- A clear space of 3 ft. shall be maintained around the spray booth unless the booth is located next to an exterior wall or 1 hr. rated partition.
- All residues that when mixed may lead to spontaneous heating must be removed from all exposed surfaces prior to the application of an incompatible material.
- Sprinkler heads within flammable vapor areas shall be protected from residue accumulation in an approved manner.
- Discarded filter pads shall be immediately removed to a safe, detached location or placed in a noncombustible container with a tight-fitting lid and disposed of properly.
- Spray booths with dry filters shall not be used for spraying materials that are highly susceptible to spontaneous heating and ignition such as lacquer when combined with varnishes, stains or primers.
- The aggregate surface area to be sprayed shall not exceed **9** square feet when applied in an approved "limited spray space" outside of a spray booth.

If you have additional questions concerning fire inspections, please contact us at 367-8093.