



TOOLBOX TALK



Bungs are metal plugs that must be screwed into the vent holes of flammable storage cabinets to maintain their safety and fire-resistance rating.

Got a suggestion for a future topic?
Send an email to:
mmeade@iamu.org

Flammable Cabinet Design and Inspection Requirements

NFPA 30, the Flammable and Combustible Liquid Code is the basis for OSHA's 1910.106, Flammable Liquids regulation. NFPA 30 provides safeguards to reduce the hazards associated with the storage, handling, and use of flammable and combustible liquid and is one of Iowa's most frequently cited standards referenced by the General Duty Clause.

Design Requirements

- ✓ The bottom, top, and sides must be constructed of at least 18-gauge sheet iron.
- ✓ The cabinet must be double-walled with a 1 1/2-inch air space between the walls.
- ✓ All joints must be riveted, welded, or sealed tightly by other effective means.
- ✓ Doors must have a three-point latch.
- ✓ The door sill must be raised at least 2 inches above the cabinet bottom to contain spills.
- ✓ Doors should be self-closing and should close completely if they have a fusible link.
- ✓ The cabinet must be clearly labeled in visible lettering with "FLAMMABLE – KEEP FIRE AWAY".

Inspection Requirements

- ✓ Do not place more than three cabinets in one area.
- ✓ Ensure that there is no damage to the outer shell that penetrates the wall.
- ✓ The openings on the sides must be covered with appropriate bungs unless the cabinets are ventilated to the outside.
- ✓ Manufacturer's labels and the "FLAMMABLE – KEEP FIRE AWAY" label must be present and legible.
- ✓ Store only flammable and combustible liquids inside or on the cabinet. Do not use it for general storage.
- ✓ Keep the materials well-organized and staged by expiration dates.
- ✓ Don't stack materials or boxes on the top of cabinets.
- ✓ Ensure that the sill is free from liquid or debris.

When dispensing category 1,2 or 3 liquids from containers in the cabinets, the cabinet must be grounded, and the container must be bonded to the cabinet.