

SciMatCo Wooden Safety Flammables Cabinets



While the benefits of a wooden Acid/Corrosives cabinet (no rust) are immediately obvious, the benefits of a SciMatCo wooden flammables cabinet are far less obvious, but equally as important.

Although both cabinets' construction are recognized by OSHA, NFPA and UFC (with self-closing doors) as meeting the standards for a flammables cabinet, we think the choice is obvious. Wood is the best alternative for protection against the heat and flame of a fire. Why not get more protection? You have the protection you deserve with a SciMatCo flammables cabinet.

Wood vs. Metal

A wooden flammables cabinet? Is it possible? *Yes. Not only possible, but better.* Below are a few comparisons between wooden and metal flammable cabinets and their performance during a fire.

Wood vs. Metal

Protection from the Flames of a Fire

Yes, wood burns. But, a cabinet constructed with 1" plywood using specifications developed by both OSHA, NFPA (National Fire Protection Association), and UFC (Uniform Fire Code) will meet all the requirements for a flammables cabinet. The question is, how long will the wooden flammables cabinet protect the materials inside from flame? The answer: just as long as a metal flammables cabinet.

Metal does not burn and will protect against the flame of a fire very well.

Possible Structural Damage Sustained in a Fire

Wooden flammables cabinets do not distort or bend when involved in a fire. The only way for the fire to get inside is to burn all the way through.

Metal flammables cabinets can bend and distort in a fire, opening themselves and their contents to the flames.

Protection from the High Temperature of a Fire

A wooden flammables cabinet is a thermal insulator. The rapid rise in temperature due to a fire will have little or no impact on the inside temperature of the cabinet, thus protecting the contents from the high temperature of a fire.

Metal is a heat conductor. Metal flammables cabinets can and will pass the rapid rise in temperature on to the contents in the flammables cabinets. Glass bottles in a metal flammables cabinet have been known to break, releasing their vapors and liquids. Metal containers can pop their lids due to high temperatures experienced during a fire. Metal cabinets become ovens when involved in a fire.