



FIRE-MEDICAL DEPT

Guideline

Date: November 16, 2015 (Revised 04/15/2020)

To: Floor Finishing Contractors

From: Peoria Fire-Medical Department – Fire Prevention Division

Subject: Requirements for Floor Finishing/Surfacing Operations

Effective **immediately**, a permit from the City of Peoria Fire-Medical Department is required for floor finishing or surfacing operations exceeding three hundred fifty (350) square feet using either a Class I or Class II liquid per section 105.6.17 of the 2018 edition of the *International Fire Code*.

REQUIREMENTS

Floor finishing or surfacing operations that exceed three hundred fifty (350) square feet using either a Class I or Class II liquid shall comply with the following requirements from Chapter 24.

1. **2410.2 Mechanical system operation.** Heating, ventilation and air-conditioning systems shall not be operated during resurfacing or refinishing operations or within four (4) hours of the application of flammable or combustible liquids. *The HVAC systems are required to be turned off and locked out to prevent the systems from being used during the floor finishing operation and for four (4) hours after.*
2. **2410.3 Business operation.** Floor surfacing and finishing operations shall not be conducted while an establishment is open to the public. *The entire building where the floor finishing operation is being conducted must be closed to non authorized persons to include employees and the public.*
3. **2410.4 Ignition sources.** The power shall be shut down to all electrical sources of ignition within the flammable vapor area, unless those devices are classified for use in Class I, Division 1 hazardous locations. *The electrical circuits, except overhead lighting, are to be turned off and tagged out until the floor finishing operation is completed and the area is deemed safe. The electrical circuits are to be verified that they are off prior to the beginning of the floor finishing operation.*
4. **2410.5 Ventilation.** To prevent the accumulation of flammable vapors, mechanical ventilation at a minimum rate of one (1) cubic foot per minute per square foot of area being finished shall be provided. Such exhaust shall be by approved temporary or portable means. Vapors shall be exhausted to the exterior of the building. *Temporary mechanical ventilation is to be provided that will exhaust the area at the required rate. Temporary exhaust fans placed in the area are to be electrically rated for a Class 1, Division 1 hazardous location.*

5. **5003.1.1 Maximum allowable quantity per control area.** The maximum allowable quantity per control area shall be as specified in Tables 5003.1.1(1) through 5003.1.1(4). *For buildings equipped with an automatic fire sprinkler system, the maximum quantity of floor finishing product that can be stored inside the building is two hundred forty (240) gallons with a maximum of sixty (60) gallons (of the 240 gallons) in use at any one time. For non sprinklered buildings, the maximum quantity of floor finishing product is one hundred twenty (120) gallons with a maximum of thirty (30) gallons (of the 120 gallons) in use at any one time.*