

## 2021 Virginia Construction Code

### CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

#### SECTION 416 SPRAY APPLICATION OF FLAMMABLE FINISHES

**[F] 416.1 General.**

The provisions of this section shall apply to the construction, installation and use of buildings and structures, or parts thereof, for the spray application of flammable finishes. Operations and equipment shall comply with the [International Fire Code](#).

**[F] 416.2 Spray rooms.**

*Spray rooms* shall be enclosed with not less than 1-hour *fire barriers* constructed in accordance with [Section 707](#) or *horizontal assemblies* constructed in accordance with [Section 711](#), or both. Floors shall be waterproofed and drained in an *approved* manner.

**[F] 416.2.1 Construction.**

Walls and ceilings of *spray rooms* shall be constructed of noncombustible materials or the interior surface shall be completely covered with noncombustible materials. Aluminum shall not be used.

**[F] 416.2.2 Surfaces.**

The *interior surfaces* of *spray rooms* shall be smooth and shall be so constructed to permit the free passage of exhaust air from all parts of the interior and to facilitate washing and cleaning, and shall be so designed to confine residues within the room.

**[F] 416.2.3 Ventilation.**

Mechanical *ventilation* and interlocks with the spraying operation shall be in accordance with the [International Fire Code](#) and [International Mechanical Code](#).

**[F] 416.3 Spraying spaces.**

Spraying spaces shall be ventilated with an exhaust system to prevent the accumulation of flammable mist or vapors in accordance with the [International Mechanical Code](#). Where such spaces are not separately enclosed, noncombustible spray curtains shall be provided to restrict the spread of flammable vapors.

**[F] 416.3.1 Surfaces.**

The *interior surfaces* of spraying spaces shall be smooth; shall be so constructed to permit the free passage of exhaust air from all parts of the interior and to facilitate washing and cleaning; and shall be so designed to confine residues within the spraying space. Aluminum shall not be used.

**[F] 416.4 Spray booths.**

Spray booths shall be designed, constructed and operated in accordance with the [International Fire Code](#).

**[F] 416.5 Fire protection.**

An *automatic sprinkler system* or *fire-extinguishing system* shall be provided in all spray rooms and spray booths, and shall be installed in accordance with [Chapter 9](#).