

## RULE XVII - SHEET METAL PAINT SPRAY BOOTHS

### SECTION 1701. Sheet Metal Paint Spray Booth

1. Paint spray booths shall be constructed of steel of **not** less than No. 18 U.S. gauge in thickness and shall be designed in accordance with the Code.
2. The area of a paint spray booth shall **not** exceed 150 sq. meters nor 10% of the basic area permitted for the major use of the building according to its Occupancy Group.
3. The floor of the spray booth and operator's working area, if combustible, shall be covered with non-combustible, non-sparking material of such character as to facilitate the safe cleaning and removal of residue.
4. Paint spray booths shall be designed to permit the free passage of exhaust air from all parts of the interior and all interior surfaces shall be smooth and continuous without outstanding edges.

### SECTION 1702. Fire Protection

1. Every spray booth having an open front elevation larger than 1.00 sq. meters and which is not equipped with doors, shall have a fire curtain or metal deflector not less than 100 millimeters deep installed at the upper outer edge of the booth opening.
2. Each paint spray booth shall be separated from other operations by not less than 91 centimeters, or by a greater distance, or by such partition or wall as the Local Fire Service Marshall may require.

### SECTION 1703. Light

1. Paint spray booths shall be illuminated through hammered wire or heat-treated glass panels. The glass panels shall be located in such a manner as to reduce the hazard of ignition caused by paint spray deposit.
2. When spraying areas are illuminated through glass panels or other transparent materials, only light units shall be used as source of illumination.
3. Panels shall effectively isolate the spraying area from the area in which the lighting unit is located and shall be of **non-combustible** material or such a nature or so protected that breakage will be unlikely.
4. Panels shall be arranged so that normal accumulations of residue on the exposed surface of the panel will not be raised to a dangerous temperature by radiation or conduction from the source of illumination.

### SECTION 1704. Ventilation

1. Mechanical ventilation shall be provided direct to the exterior of the building. The mechanical exhaust system shall be designed to move the air through any portion of the paint spray area at the rate of not less than 30.00 lineal meters per minute.
2. The blades of exhaust fans shall be constructed of non-ferrous material and shall be mounted in such a manner as to prevent contact with the exhaust duct.
3. The motor shall not be mounted in the spray booth or the duct system and belts shall be enclosed where they enter the booth or duct system.
4. The discharge point for ducts in a paint spray booth shall be not less than 2.00 meters from the adjoining combustible construction nor less than 8.00 meters from adjoining exterior wall openings; except, that the discharge point for exhaust ducts is not regulated in a waterwash spray booth.

*(emphases supplied)*

*Rule XVIII follows*