Dry Type Spray Booth

Major Mandatory Requirements
29 CFR 1910.107

FRONTAL AREA
Each spray booth having a frontal area larger than 9 square feet shall have a metal deflector or curtain not less than 2 1/2 inches deep installed at the outer edge of the booth over the opening.

CONVEYORS
Where conveyors are arranged to carry work into and out of spray booths, the conveyor openings shall be as small as practical.

ARRESTER BANK
All discarded filter pads and filter rolls shall be immediately removed to a safe, well-detached location or placed in a water-filled metal container or disposed of at the close of the day’s operation unless maintained completely in water.

The average air velocity over the open face of the booth (or booth cross section during spraying operations) shall be not less than 100 fpm; for electrostatic spraying, the minimum velocity is 60 fpm.

CONSTRUCTION
Spray booths shall be substantially constructed of steel, securely and rigidly supported, or of concrete or masonry except that aluminum or other substantial noncombustible material may be used for intermittent or low volume spraying.

The interiors surfaces of spray booths shall be smooth and continuous without edges and otherwise designed to prevent pocketing of residues and facilitate cleaning and washing without injury.

MINIMUM SEPARATION
There shall be no open flame or spark producing equipment in any spraying area nor within 20 feet thereof, unless separated by a partition.

DISCHARGE CLEARANCE
Unless the spray booth exhaust duct terminal is from a water-wash spray booth, the terminal discharge point shall be not less than 6 feet from any combustible exterior wall or roof nor discharge in the direction of any combustible construction or unprotected opening in any noncombustible exterior wall within 25 feet.