



WilsonPartitions Paintline System



Wilson Partitions high end “in-house” paint services allow designers and architects maximum flexibility to create environments to fit their projects.

We provide a comprehensive spectrum of color matching capabilities. Even if there is only a color chip, fabric swatch or material sample for reference, you can depend on the experience of Wilson Partitions color matching team to precisely match color and gloss.



Wilson Partitions' paintline system captures 100-percent of VOCs from the paint as aluminum extrusions are processed. The VOC's are funneled into a thermal oxidizer which then destroys 99.3-percent of all VOCs.



Step 1: Dip Tank Pretreatment System

Extrusions must be properly pretreated to remove oils and impurities before paint is applied. In addition to cleaning the aluminum, the pretreatment system also provides a boundary layer which inhibits corrosion and increases paint adhesion. The dip tank pretreatment system consists of a cleaner, chrome conversion coating, and fresh water rinses.

Step 2: Dry-Off

Extrusions are allowed to dry overnight after the dip tank pretreatment system. This ensures that moisture is removed from extrusions.

Step 3: Overhead Conveyor System

Aluminum extrusions are racked horizontally on an overhead conveyor that travels up to 16 feet per minute. Our paint system can handle extrusions up to 32 feet long. This system moves the aluminum extrusions through each step of the paint process.

Step 4: Liquid Paint Application Spray Booths

Extrusions are coated with a liquid primer and topcoat in our dedicated spray booths. The paint is applied electrostatic using both manual and automatic equipment. Proper conductivity in the spray booths assures high transfer efficiency of the liquid coatings to the extrusions.

Step 5: Paint Cure Oven

Extrusions are baked in the paint cure oven at a temperature of 500 degrees Fahrenheit. The paint oven rapidly raises the temperature of the aluminum removing all VOC's and insuring proper cure of the coating. This process allows Wilson Partitions to supply a high performance architectural finished product.