

SHELVING SPECIFICATIONS FOR POWDER COATING SYSTEM

Spacesaver's powder coat paint system provides a durable hard finish with superior performance qualities. It has excellent abrasion, impact, corrosion, stain and chemical resistance.

Powder coat paint provides a very uniform film thickness and eliminates the runs and sags associated with wet systems. With our electrostatic charged application, we have a higher edge coating film thickness which virtually eliminates any sharp metal edges.

Our system is environmentally safe without any volatile or fugitive emissions in the finished product. Additionally, during the manufacturing process, we produce no volatile emissions or hazardous waste.

All parts are cleaned in a six stage surface prep machine prior to coating, including:

1. Heated alkaline wash
2. Fresh water rinse
3. Heated iron phosphate coat
4. Fresh water rinse
5. Recirculated deionized water rinse
6. Fresh deionized water mist

After prepping, the material is dried at 250 degrees for 5-1/2 minutes.

The painting process is an electrostatically applied powder coating system using an epoxy-polyester hybrid powder paint. All overspray is collected and reused within the self-contained application booths with no venting or emissions to the environment.

The coated parts are then oven cured for 20 minutes at up to 450 degrees to provide a furniture quality finish. The hot parts are cooled to ambient temperature prior to packaging.

After curing, the paint finish is inert and no volatile emissions are present. There are no fugitive (stray) emissions in the finished product.

During the manufacturing process, there are no volatile emissions and there is no hazardous waste produced.

Gloss: 50 - 60 degrees
Impact Resistance: 160 in. lbs.
Flexibility: 180 degrees, 1/4" mandrel
Pencil Hardness: 2H
Cross Hatch Adhesion: 100%
Salt Spray: 200 hours minimum
Humidity Resistance: 200 hours minimum

NOTE: 20 standard colors available.