

Powder Coating Setup For Almirah /Panel Board Units



Powder Coating Setup



Powder Spray Booth

Powder booths utilize a fan assembly with a protective filter section and a containment vessel to pull air into the booth. This system, called a recovery system, captures the oversprayed powder for reuse or disposal. The recovery system provides the necessary containment and safety air, and recovers the oversprayed powder. The enclosure is provided with powder Recovery systems (monocyclone / multi-cyclone.)



Cure Ovens

An oven uses a heat source, most commonly electrical heaters or a gas burner and a fan to heat the interior of an insulated enclosure. Different powder materials require different cure temperatures, commonly in a range between 177 - 204 °C. The part is heated by the hot air in the oven and it in turn conducts heat into the coating. The coating must be held at temperature for a predetermined length of time to reach full cure. So the cure cycle is so many minutes at so many degrees of temperature. The time it takes to bring the metal up to temperature must be added to the cure time requirement to determine the full cycle time in the oven.



Powder Coated Steel Almirah

