

عنوان مقاله:

Advances in electrostatic coatings and paints

محل انتشار:

ششمین کنگره بین المللی رنگ و پوشش (سال: 1394)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

The polymeric powder particles are electrostatically deposited on a conductive grounded target in the powder electrostatic coating process. The powders are then melted in a furnace to form a protective and decorative coating. The powder coating process includes four essential steps: charging, transport, adhesion or deposition, and curing. The main rule of powder coating is to accelerate a polymeric charged particle toward a grounded workpiece and in this way the particles are adhered to the workpiece by means of electrostatic force. The coated surface is then cured at a raised temperature which converts the powder coating into a glossy, and uniform polymer layer.

کلمات کلیدی:

Coating- Powder- Electrostatic- Paint

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