

最近の静電粉体塗装技術と将来展望
Recent Technology for
Electrostatic Powder Coating and Its Future View

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抄 録

静電粉体塗装方法は工業化されて約 40 年が経過し、この間に粉体帯電技術・電界調整技術・粉体ハンドリング技術を基にした機器の開発、改良が行われてきたが、これら基本技術は大きな進歩が無いと言われている。本稿では粉体帯電・粉体付着に関する基本技術の解説を交え、静電粉体塗装での技術開発の将来展望を述べる。

ABSTRACT

Over forty years have gone by since the electrostatic powder coating method was adopted by industry.

During that time, improvements have been made to electric charging technology, electric field technology, and powder handling technology, however it has been said that dramatic progress has not been made in advancing the basic technology

This paper explains the basic technology of electric charging on powder and powder adhesion, and describes the prospects for future developments in this field.