

DESIGN OF AN ELECTROSTATIC
POWDER COATING PLANT

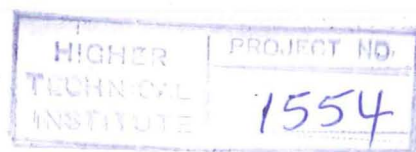
PROJECT REPORT SUBMITTED
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SUMMARY

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Title : Design of an electrostatic powder coating plant .

The main objective of this report was to prepare a study on the electrostatic powder coating and to Design the plant. The whole project has been devided into eight chapters.

- Introduction: Deals with the hystorical aproach of the Powder Coating general.
- Chapter 1: Deals with the benefits of the Powder Coating as compared with other painting systems.
- Chapter 2: Is a brief explanation of the electrostatic powder coating.
- Chapter 3: Deals with the pretreatment of Aluminium surfaces prior to the powder coating, and the presentation and proposal of chemicals.
- Chapter 4: Deals with the presentation and selection of equipment for the actual powder coating process.
- Chapter 5: Deals with the presentation and selection of overheat conveyor.
- Chapter 6: Deals with the removal of powder coatings.
- Chapter 7: Deals with the presentation of 4 types of powder coating.
- Chapter 8: Deals with the cost analysis of the proposed system.

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