

INFORMATION RESEARCH LIMITED

Painting of Automotive Exterior Panels 2000 – Materials, Manufacturing & Economics

Publication: December 2000

Price: \$1,500

High quality and cost effective coating systems for exterior body panels are critical to the success of selling a car. Although surface coatings comprise less than one percent of the total weight of a vehicle, they have a major effect on the initial buying decision of the consumer and the subsequent resale value of the vehicle.

This new report from Information Research Limited is intended to provide an analysis of current trends in the materials and technologies used in the painting of automotive exterior panels.

The study is intended to be a global overview, although the focus of much of the content is on North America with some detail on Europe and Japan.

The following aspects of the industry are included:

- An historical perspective of automotive coating technology and the current status of the industry
- An overview of the coating processes currently used by automotive OEMs
- An analysis of the technological, environmental and economic forces that are shaping the industry
- Market analysis of the raw material and key equipment suppliers
- A complete review of comparative economics for a range of applied coating systems
- Emission regulations

The research for this report was carried out during the second half of 2000. This included:

- A thorough review of in-house information
- In-depth telephone and personal interviews with materials and parts suppliers, end-users, design firms, government agencies and other pertinent associations and industry sources
- An extensive search of published literature and databases

CONTENTS

1. Introduction
2. Background
3. Factors Influencing Developments in Automotive Painting
4. US Volatile Organic Compound (VOC) Emission Regulations
5. OEM Coating & Painting Operations
6. Phosphating
7. Electrocoating
8. Solvent & Waterborne Coatings
9. Powder Coatings
10. Anti-Chip Primer
11. Primer Surfacer
12. Base Coats
13. Clear Coats
14. Painting of Plastic Panels
15. Dry Paint Film Laminate Technology
16. Weathering Tests for Exterior Panels
17. Suppliers of Coatings
18. Painting System Cost Models

ORDER FORM

Please send me a copy of the following report:

Painting of Automotive Exterior Panels 2000

– Materials, Manufacturing & Economics

\$1,500

(One thousand five hundred US Dollars)

Postage and packing UK \$15

Overseas \$45 (courier)

I enclose a cheque

I have arranged a bank transfer

Invoice my Company

Bank details: HSBC plc, 20 Eastcheap, London EC3M 1ED Account No. 01215469
Sortcode 40 02 31 Swift Code: MIDLGB22

Charge my Visa/MasterCard Name of cardholder

Address of cardholder

Card No.

Expiry Date

Name..... Address.....

Position

Company.....

Telephone:..... Fax.....

Signature: Date:

EU COUNTRIES ONLY: Please supply your VAT registration No.....

PLEASE POST OR FAX THIS ORDER FORM TO:

Information Research Limited

(A Business Research Group Company)

109 Uxbridge Road, Ealing, London W5 5TL

Tel: +44 (0) 20 8832 7830 Fax: +44 (0) 20 8566 4931

Email: irl@brg.co.uk Website: www.informationresearch.co.uk

North American Office: Tel: +1 973 347 5300 Fax: +1 973 347 6466