Record Nr. UNISA996205843103316 Titolo Automotive paints and coatings / / edited by Gordon Fettis Weinheim, [Germany]:,: VCH,, 1995 Pubbl/distr/stampa ©1995 **ISBN** 1-281-84287-7 9786611842871 3-527-61557-1 3-527-61556-3 Descrizione fisica 1 online resource (263 p.) Disciplina 629.232 629.26 Soggetti Automobiles - Painting Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di contenuto Automotive Paints and Coatings; Table of Contents; 4.3.2 Resin Chemistry - Basic Reactions: 4.3.2.1 Nitrogen Resins (Crosslinking): 4.3.2.4 Polyurethane (PU) Modification of Polyesters; 1 Introduction; 1.1 Coatings and the Automobile; 1.1.1 The Early Automobiles; 1.1.2 Ancient Paints; 1.2 Paint and the Automobile; 1.3 References; 2 Surface Treatment of Aluminium for Automotive Applications; 2.1 Introduction; 2.2 Types of Aluminium Surface Pretreatment; 2.2.1 Chromium Chromating; 2.2.2 Phosphating Chromating; 2.2.3 Zinc Phosphating; 2.3 Surface Treatment of Aluminium for Automobile Bodies 2.3.1 Pretreatment and Subsequent Paint Application Processes involving Aluminium2.3.2 Aluminium Ion's Inhibitive Effect on Chemical Conversion; 2.3.3 Types of Aluminium Alloys. and Their Characteristics; 2.3.4 Precoat Treatment Process; 2.4 Surface Pretreatment of

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Sommario/riassunto

Dedicated wholly to automotive coatings, this book is the first of its kind. It provides an in-depth coverage of the subject and in keeping with the international nature of the automotive business the book has a truly multinational flavour with authors selected from Australia, Japan, Europe and the USA. An authoritative and informative treatment of all aspects of coatings formulation are presented together with their manufacture and application. Numerous chapters written by experts in the field deal with substrate pretreatment, undercoats, surfacers and topcoats. Finishes for both metals and n