Uv Coatings For Automotive Interior Applications

The Effect of UV Light and Weather on Plastics and ElastomersAnnual Index/abstracts of SAE Technical PapersThomas Register of American Manufacturers and Thomas Register Catalog FileIndustrial CoatingsPRODUCTS & SERVICESRadiation Technology for Polymers, Second EditionPredicasts F & S Index United StatesChemical WeekMachine DesignRadTech '94--North America UV/EB Conference and ExpositionKirk-Othmer Encyclopedia of Chemical Technology, Volume 25Automotive Paints and CoatingsMaterials and Process ChallengesQuo Vadis - CoatingsEngineered Materials AbstractsMaro Polymer NotesAbstracts of Papers - American Chemical SocietyAutomotive Paints and CoatingsAutomotive Manufacturing & ProductionAutomotive Engineering InternationalWood in Civil EngineeringWard's Automotive YearbookChemistry & Technology of UV & EB Formulations for Coatings, Inks, and Paints: UV & EB curing technology & equipmentAutomotive EngineeringThomas Register of American ManufacturersCumulative Index [of The] SAE PapersAntec 2001Ward's Auto WorldRaw Materials for Pigments, Fillers & ExtendersPaints, Coatings and SolventsEmerging Solutions to VOC & Air Toxics ControlUV CoatingsOrganic CoatingsF & S Index United States AnnualSPE/ANTEC 2001 ProceedingsAutomotive IndustriesCurrent ProgramsConference ProceedingsRegional Industrial Buying GuideTechnical Literature Abstracts

The Effect of UV Light and Weather on Plastics and Elastomers

Annual Index/abstracts of SAE Technical Papers

Thomas Register of American Manufacturers and Thomas Register Catalog File

Industrial Coatings

PRODUCTS & SERVICES

Radiation Technology for Polymers, Second Edition

Predicasts F & S Index United States

Chemical Week

Vols. for 1970-71 includes manufacturers' catalogs.

Machine Design

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 non-metallics are described as well as speciality coatings such as sealers, antichip and underbody paints. Further valuable information on commercial support for the sale of finishes in the automotive industry and the licensing of technology is also given. Specialists involved in a wide range of disciplines in the coatings industry including chemists, chemical engineers and commercial staff will find this up-to-date source of exceptional interest.

RadTech '94--North America UV/EB Conference and Exposition

Kirk-Othmer Encyclopedia of Chemical Technology, Volume 25

Automotive Paints and Coatings

Now in its second edition and still the only book of its kind, this is an authoritative treatment of all stages of the coating process -- from body materials, paint shop design, and pre-treatment, through primer surfacers and top coats. New topics of interest covered are color control, specification and testing of coatings, as well as quality and supply concepts, while valuable information on capital and legislation aspects is given. Invaluable for engineers in the automotive and paints and

coatings industry as well as for students in the field.

Materials and Process Challenges

Quo Vadis - Coatings

Engineered Materials Abstracts

Maro Polymer Notes

Abstracts of Papers - American Chemical Society

Automotive Paints and Coatings

Automotive Manufacturing & Production

Automotive Engineering International

Wood in Civil Engineering

Wood is a natural building material: if used in building elements, it can play structural, functional and aesthetic roles at the same time. The use of wood in buildings, which goes back to the oldest of times, is now experiencing a period of strong expansion in virtue of the sustainable dimension of wood buildings from the environmental, economic and social standpoints. However, its use as an engineering material calls for constant development of theoretical and experimental

research to respond properly to the issues involved in this. In the single chapters written by experts in different fields, the book aims to contribute to knowledge in the application of wood in the building industry.

Ward's Automotive Yearbook

Chemistry & Technology of UV & EB Formulations for Coatings, Inks, and Paints: UV & EB curing technology & equipment

Automotive Engineering

The first edition of Radiation Technology for Polymers set the standard as a valuable, time-saving resource offering systematic fundamental information about industrial radiation technologies. Raising the bar even further, Radiation Technology for Polymers, Second Edition explores emerging applications of ultraviolet (UV) and electron beam (EB) radiation to polymer processing, detailing significant changes in the field since the first publication. Presents important new processing and engineering data from selected commercial products Since the publication of the previous edition, many technological developments have taken place, new applications and products have been developed and commercialized, and some already established ones have been discontinued. This book updates changes, trends, and general issues in radiation technology. It presents vital, cutting-edge information to aid further reduction of volatile organic compounds and toxic substances in the environment, develop alternative sources of energy, and harness energy in both medical and industrial applications. The author considers novel uses of UV/EB technology in: Equipment and instrumentation developments in automotive, electronics, and wood-processing industries Applications used in waterborne coatings and adhesives, film modifications, high-performance coatings, and inkjet technology Processing of coatings, paints, inks, and adhesives, as well as thermoplastics and elastomers in film, sheet, and other forms This reference discusses new uses for UV and EB irradiation, the response of polymers to irradiation, tests related to dosimetry and radiometry, and related safety and hygiene. It is also fortified with new problems and worked solutions, as well appendices with supplementary information on equipment manufacturers, raw materials suppliers, and principles of green chemistry and sustainability.

Thomas Register of American Manufacturers

Since UV curing (light induced polymerisation of multifunctional oligomers) is a very ecoefficient and energy saving curing method, the growth rates of UV curable coatings are in the range of 10% per year. The typical UV coatings are solvent free

(100% solids), thus helping the industry and the environment to reduce significantly VOC (volatile organic compounds). Recently, the automotive industry has discovered that UV cured coatings are very scratch resistant, which stimulated very extensive work into the development of UV coatings for automotive applications. Since UV curing is very universal, also other systems besides the 100% solid (typical) UV coatings are developed, like waterbased UV- , UV powder and Dual cure (UV and thermal) systems. UV Coatings contains an overview of the technology, the curing process including the equipment necessary, the raw materials (resins, diluents, photoinitiators) used, the advantages and drawbacks of this fast emerging technology, as well as proposed technical solutions to tackle the disadvantages. Structure-property relationships will be given, especially regarding the mechanical properties of coatings as well as scratch resistance, mainly dealing with automotive performance criteria. The main part of the book will deal with new developments, like water-based UV coatings, UV powder coatings and dual cure systems, cured by UV and thermal energy, which have been developed to cure the coating on three dimensional substrates in shadow areas. The main applications of UV Coatings will be described, starting with the classical ones on temperature sensitive substrates, like wood, paper and plastics, where the UV curable coatings are already well established. * Looking at UV curing as a key to scratch resistant automotive clear coats * Ecoefficiency of UV Coatings * Comprehensive overview of the technology, materials and markets

Cumulative Index [of The] SAE Papers

The proceedings of the Advanced Coatings Technology Conference in Chicago, November 1992, addressed to users and producers of industrial organic coatings, especially for plastics and metals. The 20 papers discuss new materials, recent developments in determining the engineering properties of coatings, application methods, protection against corrosi

Antec 2001

The fifth edition of the Kirk-Othmer Encyclopedia of Chemical Technology builds upon the solid foundation of the previous editions, which have proven to be a mainstay for chemists, biochemists, and engineers at academic, industrial, and government institutions since publication of the first edition in 1949. The new edition includes necessary adjustments and modernization of the content to reflect changes and developments in chemical technology.

Ward's Auto World

This handbook is an compilation that illustrates how the elements of weathering affect the properties and characteristics of 89 plastics and elastomers. It is comprised of diverse references, including conference proceedings, test laboratories, materials suppliers, monographs, and trade and technical journals. The information provided ranges from a general

overview of the resistance of various plastics and elastomers to weathering (ultraviolet light, moisture, heat) to detailed discussions and test results. At the same time, an effort is made to provide information for many weathering tests and conditions (i.e. outdoor, outdoor accelerated, artificial accelerated, indoor, microbiologic attack, etc.) and material combinations. Results of weathering exposure for more than 80 families of plastics and elastomers are presented in textual, graphical and tabular formats.

Raw Materials for Pigments, Fillers & Extenders

Paints, Coatings and Solvents

Emerging Solutions to VOC & Air Toxics Control

UV Coatings

This basic source for identification of U.S. manufacturers is arranged by product in a large multi-volume set. Includes: Products & services, Company profiles and Catalog file.

Organic Coatings

A remarkable, up-to-date presentation which uniquely combines all industrial aspects of paints, coatings and solvents. Readers will find extensive information on composition, production, processing, uses and methods of analysis. Special attention is also given to toxicology and environmental protection measures. This work serves not only as a concise practical guide but is also an authoritative reference book essential to all chemists and chemical engineers working with paints, coatings and solvents.

F & S Index United States Annual

SPE/ANTEC 2001 Proceedings

Automotive Industries

The requirements of low cost, high quality and environmental/social compliance are pushing the coatings industry to develop new technologies. When designing a product for a customer, application techniques, film properties and environmental aspects must be taken into consideration from the very beginning. The XXVI FATIPEC congress, held in Dresden, Germany, September 9-11, 2002 addressed the important issues facing the paint industry: Markets & Trends - Higher Speed New Substrates & Pretreatments - More Color & Appearance Advanced Technologies - Better Eco-Efficiency Special Functions - Modern Characterization This volume of Macromolecular Symposia gathers 90 of the presentations from the congress, giving a comprehensive overview of the challenges facing the paint industry and possible solutions; "Quo Vadis-Coatings?" - Coatings-Where to now?

Current Programs

Conference Proceedings

A comprehensive index to company and industry information in business journals.

Regional Industrial Buying Guide

Incorporating developments since the second edition, this third edition helps scientists, engineers, and paint formulators better understand the principles underlying the organic coatings technology and use them effectively in the development, production, and application of various types of coatings.

Technical Literature Abstracts