CONTENTS

Paper 1: Creating ‘Creativity’: Is the Environment Right? Derek Wallace De La Rue

Paper 2: Creative Advances Based on Modern and Professional Data Base Research Dr Karl-Franz Torges KFT Chemieservice

Paper 3: Global Market for Technology Progress and Innovation Franco Busato IRFAB

Paper 4: Alkyd Emulsion Paints: Properties, Challenges and Solutions Dr Jochum Beetsma DSM Resins

Paper 5: Computational Modelling of TiO₂ Particle Optics Using a Finite Element Method (Replaces Paper 5 in the brochure) Erik Thiele DuPont Company

Paper 6: Coloured Aluminium Pigments Dr Klaus Greiwe Eckart-Werke

Paper 7: High Performance Pigments for Outdoor Powder Coating Dr Albert Vlym Ciba Pigments

Paper 8: Properties and Application of Bright Conductive Pigments with Layer Substrate Structure Dr Reiner Vogt Merck

Paper 9: Pigment and Dispersant Interactions in Waterbased Coatings John Clayton Tioxide Europe

Paper 10: Luster Pigments with Optically Variable Properties Dr Raimund Schmid BASF

Paper 11: Characterisation of Wetting Behaviour of Titanium Dioxide Pigments by Contact Angle Measurement Using Capillary Rise Technology Hubert Lechner Krüss

Paper 12: Pigments with Deposited Titanium Dioxide Dr Leonid Golovko Inst of Bioorganic Chemistry and Petrochemistry

Paper 13: A Practical Emulsion Copolymerisation Model Frank Bettenwort Condea Chemie

Paper 14: This paper has been withdrawn
Paper 15: Interaction Between Styrene/Butylacrylate Latexes and Water Soluble Associative Thickeners for Solvent-Free Wall Paints: Effect of Latex and Thickener Parameters on Paint Rheology

Ute Schuster
Dow Europe

Paper 16: Fluid Surface Tension Sensor for Pressurised Environments

Victor Janule
Chem-Dyne Research Corp

Paper 17: New Polymer Synthesis for (Self)Crosslinkable Urethanes and Urethane/Acrylics

Ronald Tennebroek
Zeneca Resins

Paper 18: Influence of Emulsifiers on the Properties of Emulsions and Formulated Paint Systems

Dr I Cabrera
Hoechst

Paper 19: The Use of a Novel Water Dispersible Blocked Polyisocyanate in Conjunction with Hydroxyl Group Containing Acrylic Emulsions for High Performance Coatings

Dr Stephen Carter
Baxenden Chemicals

Paper 20: Computer Design of Perfect Additives for Perylene Red

Dr Peter Erk
BASF

Paper 21: Polymeric Surfactants and Their Application in Polymerisation and in Coatings

Dr Alain Bouvy
ICI Surfactants

Paper 22: Fumed Silicas for Rheological Control of Modern Coatings

Dr Jochen Scheffler
Degussa

Paper 23: High Efficiency, Low Shear, HEUR Rheology Modifier for Thick Film, Structured and Gloss Applications

Dr Eric Johnson
Rohm and Haas

Paper 24: Defoamers - Nothing but Empirical Results

Dr Stefan Silber
Tego Chemie Service

Paper 25: Corrosion Prevention with Polyaniline

Dr Bernhard Wessling
Ormecon Chemie

Paper 26: Toluoyl-Propionic Acid Based Complexes: A New Class of corrosion Inhibitors for Waterborne Coatings

Dr Adalbert Braig
Ciba-Geigy

Paper 27: The Weathering of Waterborne Intumescent Coatings

Dr Claudio Pagella
University of Venice
Paper 28: Improvements in the Rheological Control of Latex Paints
Dr Tom Annable
Zeneca Resins

Paper 29: New Polymeric Stabilisers for Waterborne Coatings
Dr Klaus Tauer
Max-Planck-Institut

Paper 30: Crosslinker Blends in Two-Component Waterborne Polyurethane Coatings Systems
Marianne Groeneveld
Air Products

Paper 31: Dispersions-Silikat-Trockenputze (Waterbased Dry Silica Plasters)
Dr Michael Blümer
Omyo

Paper 32: The Role of Acetylenic Glycols in Formulating Waterbased Systems
Dr C J Reader
Air Products

Paper 33: Photoinitiators for Novel UV Curing Applications, Coloured and Weatherfast Coatings
Dr Andreas Valet
Ciba Specialty Chemicals

Paper 34: In Depth Measurement of Drying Processes in Paint Films via Confocal Raman Spectroscopy - To be Demonstrated for UV Radiation Curing as an Example
Dr Wolfgang Schrof
BASF

Paper 35: UV Cured Products - The Appropriate Product for the Right Application
Dr Didier Bedel
Cray Valley

Paper 36: How Does Crosslinking Affect the Mechanical Properties of UV Coatings?
Dr Reinhold Schwalm
BASF

Paper 37: This paper has been withdrawn

Paper 38: UV Curable Powder Coatings
Dr J Finter
Ciba Specialty Chemicals

Paper 39: Polyuretdione Hardeners for Non-Blocked Polyurethane Powder Coatings
Dr Ulrich Freudenberg
Bayer

Paper 40: Modified Epoxide Resins for High Flow Hybrid Powder Coatings
Dr Jacques Cotting
Ciba-Geigy

Paper 41: Modern Analysis Methods as Assistance for the Formulation of Powder Coating Materials
Dr Karina Grundke
Institute of Polymer Research

Paper 42: Property Improvements when Using 2-Butyl-2-Ethyl-1,3-Propane Diol in Polyester Resins for Industrial Coatings
Marja Vaahtio
Neste Oxo
Paper 43: Internally Blocked Polyamines: Synthesis and Use as Crosslinker in VOC-Compliant Coatings  
Dr K J van den Berg  
Akzo Nobel

Paper 44: Solventless Aliphatic Polyisocyanate Hardeners for Low VOC PU Formulations in the Coatings Industry  
Dr Uwe Wustmann  
Rhône-Poulenc

Paper 45: From Cars to Transport Bridges: The Versatility of Oxazolidines as Reactive Diluents in Two-Component Polyurethanes  
Danielle Moore  
Industrial Copolymers

Paper 46: Optimisation of MEM Analysis of Electrochemical Noise Data for Organic Coatings on Metals  
Dr Thadeus Schauer  
Forschungsinstitut für Pigmente und Lacke

Paper 47: Tailoring of Solid Surfaces by Grafted Polymer Films  
Dr Jürgen Rühe  
Max-Planck-Institut

Rüdiger Krebs  
Bayer

Paper 49: Surfactant Mobility During Film Formation of Acrylate Latexes and its Impact on Mechanical Properties of the Dried Film  
Dr Ann-Charlotte Hellgren  
Institute for Surface Chemistry

Paper 50: Thin Film Composite Membranes by Defect-Free Coating of Porous Substrates  
Dr Detlev Fritsch  
GKSS Research Centre

Paper 51: Colour Without Colorants  
Dr Peter Schuhmacher  
BASF

Paper 52: Paint! It is Not Just a Pretty Face  
Dr Chris Lowe  
Becker Industrial Coatings

Paper 53: Relationship Between Application Properties, Particle Interaction and Microstructure in Waterborne Automotive Coatings  
Dr Norbert Willenbacher  
BASF

Paper 54: Comparison of Different Test Methods for Evaluating Coating Appearance  
Dr Michael Osterhold  
Herberts GmbH

Paper 55: How to Improve the Appearance of Automotive Clear Coats  
Dr Cees Vijverberg  
Akzo Nobel Resins
Paper 56: PU Clear Coats for Original Automotive Finishing in the Acid Dew and Fog Test

Dr Ulrich Schulz
BAM

Paper 57: Optimising the Scratch Resistance of PU Automotive Clear Coats

Dr Ulrich Biskup
Bayer

NB: Papers 3, 5, 18, 44, 47 & 50 are not included in this bound volume.