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Pigments - Red; 3.1.5 Inorganic Colour Pigments - Blue; 3.1.6 Inorganic Colour Pigments - Green; 3.2 EXTENDER PIGMENTS; 3.2.1 Silica/Silicates; 3.2.2 Calcium Carbonate; 3.2.3 Barytes 3.3 CORROSION-RESISTANT PIGMENTS 3.4 ORGANIC PIGMENTS; 3.4.1 Organic Red Pigments; 3.4.2 Organic Yellow Pigments; 3.4.3 Organic Blue Pigments; 3.4.4 Organic Green Pigments; REFERENCES; 4: Additives and Solvents; 4.1 ADDITIVES; 4.1.1 Anti-settling Agents; 4.1.2 Viscosity Modifiers; 4.1.3 Surfactants and Emulsifying Agents; 4.1.4 De-foaming and Anti-foaming Agents; 4.1.5 Driers; 4.1.6 Plasticizers; 4.1.7 Ultraviolet Stabilizers; 4.1.8 Anti-skinning Agents; 4.1.9 Biocides; 4.1.10 Flow-Modifying Agents; 4.2 SOLVENTS; REFERENCES; 5: Coating Types and Common Failure Modes

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5.9 POLYURETHANES 5.9.1 Two-Component Polyisocyanate/Polyol Coatings; 5.9.2 Urealkyds; 5.9.3 Moisture-Cured Polyurethanes; 5.9.4 Polyurethane Lacquers and Dispersions; 5.9.5 Two-Component Water-Borne Polyurethanes; 5.10 VINYLS; 5.10.1 Solution Vinyls; 5.10.2 Plastics and Organosols; 5.10.3 Vinyl Fluorides; 5.10.4 Poly(vinyl butyral); 5.10.5 Vinyl Latexes; 5.11 BITUMINOUS COATINGS; 5.12 INORGANIC AND SILICONE-MODIFIED COATINGS; 5.12.1 Silicone Coatings; 5.12.2 Silicate Coatings; 5.12.3 Polysiloxane Coatings; 5.13 POLYUREAS; 5.13.1 Polyaspartic Polyurea Coatings; 5.14 POWDER COATINGS

REFERENCES

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#### Sommario/riassunto

Entirely devoted to the failure analysis of coatings and paints - an "excellent reference to a select market". Latest edition contains new material on surface preparation, transfer of salt to steel from contaminated abrasive, effect of peak density on coating performance, on galvanizing, silane-modified coatings, polyurea coatings, polyaspartics, and powder coatings and on dry spray. Balances scientific background and practical advice, giving both the theory and applications in a slim, easily readable form. Includes case studies of laboratory tests. Written by

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