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Nota di contenuto	Proceedings of the 50th Porcelain Enamel Institute Technical Forum; Table of Contents; Overseas Advances in Porcelain Enamel Processing; Observations on Innovations from Abroad; Use of Robots in a Range Plant; Robotics for Wet Spray Applications; Robotic Application of Porcelain Enamel in a Dishwasher Plant; Historic Overview of Continuous Clean Coatings; Silk Screening; Screening Over Bisque; Latest in Aluminum Enamels; Steels for Porcelain Enameling-Present and Future; Improved Enameling Steel Through High Flow Hydrogen Box Annealing; Advances in Open Coil Annealing Process Controls Comments on Regulatory ActionsObservations on Waste Minimization: EPA Outlook; Achieving Pickle-Free Bond at Lower Firing Temperatures; Effect of Iron Phosphate on a Pickle-Free Ground Coat System; Dishwasher Plant Observations; Formulation Improvements in

Base Coats for Two Coat-One Fire P/E Powder Systems; Base Coat/Cover Coat Interactions in Porcelain Enamel Powder Systems; Supplier Quality Assurance; Innovations in Frit Manufacturing Using SPC and Computer Control; Individuals and Moving Range Charts: SPC Techniques in Frit Manufacturing; Pigments and the Environment Decommissioning of Waste Water Treatment Facility of Metal Pretreatment OperationsWaste Minimization; Zero Discharge, Zero Pollution, and Source Reduction; Changes in Laundry Detergent Formulations; The Changing Nature of Laundry Detergents; Powder Porcelain Enamel-Outgassing and/or Blackspecks Related to Steel Substrate; Role of Metal Preparation in Outgassing Problems with Porcelain Enamel Powder Spray; Outgassing in a Two Coat-One Fire Powder Operation; Development in Second Generation Porcelain Enamel Powder Cover Coats Differences and Comparisons of Wet and Powder Porcelain Enamel CovercoatsCoating Wire Grills and Racks with Porcelain Enamel Powder; Warpage as a Result of Firing; Role of Enamels in Warpage; Production Experiences with Steel Sag Testing vs Parts Warpage; 1988 PEI Technical Forum Final Attendance List

Sommario/riassunto

This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.
