Record Nr. UNISA996202864403316 63rd Porcelain Enamel Institute Technical Forum [[electronic resource]] **Titolo** : April 30-May 3, 2001, Nashville, Tennessee / / Jeffrey Sellins, conference director; Liam O'Byrne, assistant conference director; William D. Faust, editor Pubbl/distr/stampa Westerville, OH,: American Ceramic Society, c2001 **ISBN** 1-282-31401-7 9786612314018 0-470-29471-X 0-470-29516-3 Descrizione fisica 1 online resource (158 p.) Collana Ceramic engineering & science proceedings, , 0196-6219; ; v. 22/5 Altri autori (Persone) SellinsJeffrey O'ByrneLiam FaustWilliam D (William Darry) Disciplina 666.05 Soggetti Enamel and enameling Ceramics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Nota di contenuto 63rd Porcelain Enamel Institute Technical Forum; Contents; Additional Papers Presented; Foreword; The A.I. Andrews Memorial Lecture: The Structure of Glass: Development of a Highly Water-Resistant Hot Water Tank Coating; Ceramic Substrates for Nonstick Coatings; The Relationship of Frit Composition to Thermal Expansion; Experiences with a High-speed Flowcoater; Viscosity Measurements to Control Enamel Application; Particle Size in Recirculated Powder; Finite Element Analysis Applications for the Appliance Industry: Solutions in SteelTM Sequential Experimentation to Optimize Surface Preparation for Porcelain Application to Fabricated and Welded ComponentsThermal Imaging of Enameled Aluminum Pan Supports; Iron Oxide Interfacial Reactions as Related to Enamel Bonding; Influence of Moisture on Enamels during Firing; The Pemcoat Process: A New Process that Simplifies Direct Enameling; Advanced Cryogenic Processing:

Frequently Asked Questions; Standard Work

## 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.