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Molds for the Casting of Sanitary Ware and Dimemare; Glazes/Coatings; The Fundamentals of Leadless Glaze Development; Unique Tile Glaze Concept-Free of Pinholes; Surface Degradation and Vickers Indentation Hardness of Glazed Ceramic Tiles; Crazeing on Whitewares Having Both an Engobe and a Glaze

Vickers Indentation Method Applied to the Characterization of Ceramic GlazesMaterials; Andalusite-The Hillsborough Deposit; Kilns/Firing; Influence of Kiln Atmospheres on Electrical Porcelain Firing; Energy Usage in Firing Ceramics and Melting Glass; Kiln Operation and Firing Practices; Can You Teach Your Old Kiln New Tricks?; Color Developrnent/Pigments; The Effect of Glaze Composition on the Color and Stability of Chrome Tin pink Pigments; Color Matching Without Computers; Simulation of Glass Colors on a Computer Screen; Color Matching in Ceramic Glaze Systems

The Effect of Zircon Dissolution on the Color Stability of GlazesHigher-Chroma Zircon Colors for Glaze Applications; Which Colors Can and Cannot Be Produced in Ceramic Glazes; Brown Tetraxial; Study on Color Development Using Triaxial Colors for Rapid Once Fired Systems; Determining the Crystal Phases in ceramic Pigments by X-Ray Diffraction Analysis; Quality Control/Quality Manapement; Regulatory and Research Methods Used by the US. FDA for Determination of Lead in Ceramic Foodware; Nested Process controls for a Critical process with Large Batch size

The Use of Gage R&R Studies and Their Relationship to the Testing of ceramic MaterialsISO 9000: Insight into the Certification Process; Will the Proposed ISO Ceramic Tile Standards Meet Consumer Expectations?; Choice of Statistical Control Cards and Testing Method Sets for Total Quality Management of Traditional Ceramics; Is There Life After ISO 9000?; A Simple Approach to Technological Control of Clay-Containing Ceramic Bodies; Pass/Fail Tolerancing Based on Artificial Intelligence and Superellipsoids; Practical Pointers for Implementing an ISO 9000 Quality System

Total Quality Management at Saudi Ceramic Company

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.
