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Ceramic processing; Sampling Procedures for Raw Materials
Establishing Regulatory Compliance in a New Plant
Problem Solving Using Experimental Design Techniques; Ball Clay Selection Using
Experimental Design Techniques; Using ASTM Slip Test Methods in
Ceramic Tile Plants; Kiln Furniture for the Tableware and Brick
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Products; Drying and Firing: Kiln Furniture; Monocottura and
Monoporosa Tile Reformulation Principles and Practices
Using Failure Mode and Effects Analysis in New Glaze
Introduction
Supplier Quality Management for Ceramic Industries;
Evaluation of Fluoride Emissions Methods for Use at Ceramic Tile Kilns;
Forming and Extrusion of Porcelain Bodies; Forming in the RAM Mode;
Mystery of Air in Drying; Traveling Thermocouples Solve Firing
Problems; Ball Clay Basics; Lo-Mass® Kiln Cars for the Ceramic Industry;
Feldspar: What Is It? Where Does It Come From? What Do I Need to
Know About Using It?; Silicon Carbide and Aluminum Oxide Kiln
Furniture for the Ceramic Industry
Automated Baroid Filter Characterization of Casting Slip
Components
The Quality Improvement Movement: An Overview; Various
Aspects of Glaze Preparation and Application Methods; Minimizing
Color Adjustments to Production Glazes; Plastic Forming; The Function
of Feldspar and/or Nepheline Syenite in a Ceramic Whiteware Body;
Using ASTM Standards as the Basis for Whiteware Process Control
Procedures; Analyzing Sanitaryware Tunnel Kiln Operations with
Traveling Thermocouple; Raw Material Specifications; Polishing
Parameters and Their Effect on Glass Polish Performance

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.
