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Use of Ceramic Coatings to Enhance Performance of Metal Furnace Components
How High Emissivity Ceramic Coatings Function Advantageously in Furnace Applications; Computer-Controlled Weighing Systems for the Production of Colored Glazes, Using Easily Dispersible Ceramic Stains; Application of Spersastain Pigments; Preface; Tile Glossary; Porous and Vitrified Single-Fired Tiles; Color Figures; A Professional Approach to Objective Color Language; Directions in Tile Color and Texture; The Technology in Whitewares is Changing Rapidly; Machinery Update: Matching the Needs
Technical Developments in Ceramic Tile Glazes and Related Applications
Dry Dispersible Pigments; The Role of Basic Oxides in Leadless Frits for Fast-Fire Glazes; Glazing and Decorating Aids for the Manufacture of Single-Fired Tiles; Continuous Wet Grinding in the Floor and Wall Tile Industry; Granulation of Powders for Whitebody Ceramic Tiles; Save Fuel and Energy by Firing 300°F Lower; Practical Solutions for Fast-Fire Tile Faults; Mechanical Performance of Ceramic Tile; Abrasion Resistance of Glazed Tile: Characterization of the Quality and Prediction of Performance in Working Conditions
ISO Standards for Ceramic Floor and Wall Tile: Present Situation and Outlook

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.

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