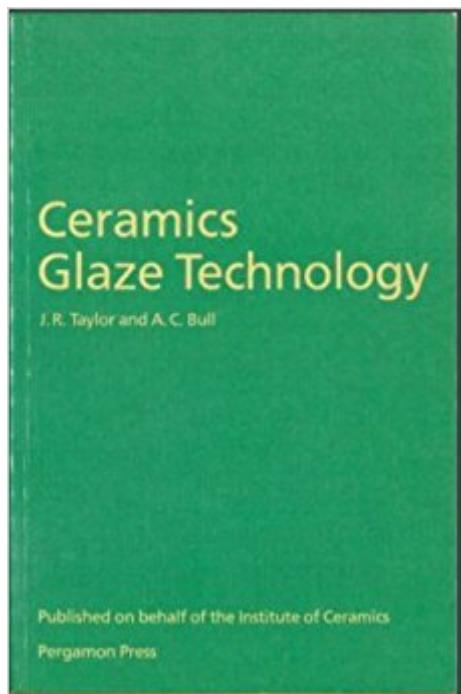


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Ceramics Glaze Technology



Synopsis

A concise handbook describing current practice and supporting theory of ceramics glazing. Starting with fundamental definitions and theoretical considerations, the work discusses glaze raw materials, their pretreatment, application, firing and the avoidance of defects in finished products. Emphasis is placed on the wide variety of materials and processes used in modern glazing practice, and the volume provides helpful guidelines to the correct selection of a material or process for a given application. Published under the aegis of the Institute of Ceramics.

Book Information

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...this volume provides excellent reference material for advanced undergraduates as well as for specialists...Since there are few current books available on ceramic glaze technology, this excellent handbook provides authoritative information for the designing of glazes with specific physical and chemical properties to suit particular requirements. CHOICE

263 pages that covers most of what is known about ceramic glazes. This book starts out with an excellent section on the raw materials and then moves on to frit preparation. Next it covers glaze formulation with topics such as: Lead or Leadles, Raw or Fritted, Once-fired or Twice etc. The book then covers glaze application such as dipping, spraying, Sol-gel Glazing etc. Chapter 9 covers "Chemical Resistance" with topics such as Metal Ion release, leaching by Foodstuffs and druibility. Chapter 10 covers glaze control Methods. And Chapter 11 covers glaze additives such as binders,

electrolytes, deflocculatants, flocculants and suspending agents. Chapter 12 moves on to glaze defects and their cure--crazing, bubbles, blistering etc. If you could only have one book on glazing it would be a toss up between "Ceramics Glaze technology by Taylor and Bull or Ceramic Glazes by Parmelee and Harman. You can't go wrong with either/both of these books.

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