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Applications with Combustion Residues; 4.1 Introduction; 4.2 New Developments in Cement and Concrete Applications; 4.3 Combustion Residues in Heavy Clayware Building Products
4.4 Zeolites4.5 Reinforcing Materials: Fibres Containing Fly Ash; 4.6 Glass Polyalkenoate Cements; 4.7 Fire-resistant Materials; 4.8 Fly Ash as a Replacement for Mineral Fillers in the Polymer Industry; 4.9 Geopolymers; 4.10 Carbon Products; 4.11 Recovery of Values from Combustion Ashes; 5 Novel Products - from Concept to Market; 5.1 Introduction; 5.2 Novel Products - Basic Economic Considerations; 5.3 Specifications and Standards; 5.4 Legislation and Taxes; 5.5 Customer Acceptance; 5.6 Environmental Acceptance Schemes; 5.7 Concluding Remarks; Index

Sommario/riassunto

The first book on novel products derived from the new generation of combustion ashes, Combustion Residues -Sustainable Applications discusses the nature of ashes derived from coal co-combustion, biomass, and other fuels in traditional and stand-alone power plants and municipal waste incinerators. In addition, the book examines the development of novel commercial products incorporating such ashes, including the importance of technical and environmental standards, marketing strategies, and promotion.