Record Nr. UNINA9910784335503321 Autore Newman John (John Brian), <1938-> **Titolo** Advanced Concrete Technology [[electronic resource]]: Constituent Materials Pubbl/distr/stampa Burlington, : Elsevier Science, 2003 **ISBN** 0-08-052656-X 1-282-38133-4 9786612381331 1-281-00605-X 9786611006051 0-08-048998-2 Descrizione fisica 1 online resource (283 p.) Altri autori (Persone) ChooB S Disciplina 624.1/834 624.1834 Soggetti Concrete Concrete construction Materials Science Chemical & Materials Engineering **Engineering & Applied Sciences** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di contenuto Front Cover; Advanced Concrete Technology: Constituent Materials; Copyright Page; Contents; Preface; List of contributors; Part 1: Cements; Chapter 1. Cements; 1.1 Introduction; 1.2 History of Portland cement manufacture; 1.3 Chemistry of clinker manufacture; 1.4 Cement grinding: 1.5 Portland cement hydration: 1.6 Portland cement types; 1.7 Cement production quality control; 1.8 Influence of cement quality control parameters on properties; 1.9 Relationship between laboratory mortar results and field concrete; 1.10 Applications for different cement types 1.11 Health and safety aspects of cement useReferences; Chapter 2. Calcium aluminate cements; 2.1 Introduction; 2.2 Chemistry and

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