1. Record Nr. UNINA9910627254703321 Autore Jiang Zhengwu Titolo Green high-performance concrete with manufactured sand / / Zhengwu Jiang Gateway East, Singapore: ,: Springer, , [2023] Pubbl/distr/stampa ©2023 **ISBN** 9789811963131 9789811963124 Descrizione fisica 1 online resource (441 pages) Disciplina 690.0286 Soggetti Sustainable construction Concrete - Environmental aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Nota di bibliografia Includes bibliographical references. Nota di contenuto Intro -- Preface -- Acknowledgements -- Contents -- About the Author -- 1 Introduction -- 1.1 Concrete -- 1.1.1 Concrete --1.1.2 High-Performance Concrete -- 1.1.3 Sustainable Development of Concrete -- 1.2 Aggregate and Manufactured Sand (MS) -- 1.2.1 Aggregate -- 1.2.2 Manufactured Sand -- References -- 2 Production of Manufactured Sand -- 2.1 Production Process of Manufactured Sand -- 2.1.1 Dry Production Process -- 2.1.2 Wet Production Process -- 2.2 Production Equipment -- 2.2.1 Vibrating Feeder -- 2.2.2 Crushing Equipment -- 2.2.3 Fines Removal Equipment -- 2.3 Improvement of Production Technology -- 2.3.1 Production Process Optimization --2.3.2 Production Equipment Optimization -- 2.3.3 Slurry Recovery Process -- 2.3.4 Quality Control Measures -- 2.4 Concluding Remarks -- References -- 3 Features of Manufactured Sand -- 3.1 Lithology --3.2 Particle Size Distribution and Fines Content -- 3.2.1 Fineness

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