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| Autore | Dhir Ravindra K. |
| Titolo | Sustainable construction materials : municipal incinerated bottom ash / / Ravindra K. Dhir, OBE [and three others] |
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| ISBN | 0-08-100996-8 0-08-100997-6 |
| Descrizione fisica | 1 online resource (xiv, 443 pages) : illustrations (some color) |
| Collana | Woodhead Publishing Series in Civil and Structural Engineering |
| Disciplina | 691 |
| Soggetti | Sustainable construction Coal ash Waste products as building materials Municipal solid waste incinerator residues |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Nota di contenuto | 1. Introduction -- 2. Methodology -- 3. Municipal solid waste composition, incineration, processing and management of bottom ashes -- 4. Municipal incinerated bottom ash characteristics -- 5. Concrete-related applications -- 6. Geotechnics and road pavements -- 7. Alternative applications -- 8. Environmental assessment -- 9. Case studies and standards. |
| Sommario/riassunto | This book provides an extensive review of research data and encourages the uptake of recycled secondary materials (RSM) by the construction industry, through discussions of the global use of virgin aggregates and CO2 polluter Portland cement; reduction of usage through the appropriate use of waste materials, thereby conserving natural resources; reduction of energy and CO2 emissions; and change through engineering ingenuity and new concepts in design. |