

1. Record Nr.	UNINA9910820250803321
Titolo	Binders and materials XI : selected, peer reviewed papers from the 11th International Conference on Binders and Materials 2013 (ICBM 2013), December 5, 2013, Brno, Czech Republic / / edited by Karel Dvorak [and three others]
Pubbl/distr/stampa	Zurich, Switzerland : , : TTP, , 2014 ©2014
ISBN	3-03826-407-5
Descrizione fisica	1 online resource (351 p.)
Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 897
Disciplina	624.18
Soggetti	Building materials Binders (Materials) Civil engineering - Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Binders and Materials XI; About ICBM and Committees; Table of Contents; Chapter 1: Cement and Binders Based on Cement; Influence of Preparation Parameters on Properties of Belite Clinker; Study of Increasing of Belite Reactivity; Proposal and Testing Masonry Cement; Testing Self-Levelling Floor Screeds on the Basis of Ternary Binder; Thermoanalytical Study of Binders Containing Pozzolanic and Latent Hydraulic Materials; Reduction of CO ₂ Emissions at Firing of Binders Type Portland Cement; Sodium Hexametaphosphate as Deflocculation Agent for Calcium Aluminate Cements in Porcelain Body Influence of Different Grinding Types on Granulometry of Cement GrainsChapter 2: Inorganic Binders; Performance of Fiber-Cement Boards in Biogenic Sulphate Environment; Decorative Multi-Component Alkali Activated Cements for Restoration and Finishing Works; Testing of Clay Used for Building a Folk House Replica by Traditional Techniques; Industrial Resources for the Production of Sulphate Binders; Efficiency of Sulphate Paste Liquefaction; Influence of Grinding -Gypsum on its Final Property; Preparation and Properties of Pressed Metakaolin and Fly Ash Based Alkali-Activated Binders

Thermal Insulating Alkali-Activated Materials with Lightweight AggregateAnalysis of Possibility of Using Geopolymers in Rehabilitation of Reinforced Concrete Structures; Modification of the Raw Mix for Firing of Dicalcium Silicate Using Potassium Sulphate; Chapter 3: Organic Binders; Repair of Composite Structure Using Cold Sleeve with Polymer Filling Material; Properties of Polyurethane and Epoxy Modified Cementitious Hybrids for Flooring Systems; The Behavior of the Advanced Materials for Blast Energy Absorption under Low and High Velocity Load

The Influence of Silane Coupling Agent on Glued Spruce Wood Using Epoxy AdhesiveBitumen Substance Analysis; Chapter 4: Silicate Materials; Determination of Sintering Activity of Sodium-Potassium Feldspar; Development of Advanced Masonry Structures with Utilization of Alternative Thermal Insulating Materials; Physical-Mechanical Aspects of Preparing Thermal Insulation Materials on the Basis of Liquid (Water) Glass; Possibilities of Reducing the Apparent Porosity of Silica Bricks for the Coke Batteries; Pozzolanic Aktivity Increase of Recycled Glass; Chapter 5: Building Materials

Comparison of Impedance Spectra of Concrete Recorded with Utilizing Carbon Transition PasteReactivity of Brick Powder in Lime Mortars; To the Problems of Determination of Dynamic Elasticity Modules of Calcium Silicate Bricks by Means of Resonance Method; Corrosion Inhibitors as a Prevention; The Effect of Concrete Quality on the Acoustic Emission Parameters during Three-Point Bending Fracture Test; Possibilities of Hydrophobization of Thermo-Insulating Materials Based on Natural Resources; Influence of Contact Parameters on Load-Carrying Capacity of Hybrid Composite Cross-Section Reinforcement Corrosion versus Crack Width

Sommario/riassunto

Collection of selected, peer reviewed papers from the 11 th International Conference Binders and Materials 2013 (ICBM 2013), December 5, 2013, Brno, Czech Republic. The 72 papers are grouped as follows: Chapter 1: Cement and Binders Based on Cement, Chapter 2: Inorganic Binders, Chapter 3: Organic Binders, Chapter 4: Silicate Materials, Chapter 5: Building Materials, Chapter 6: Other Related Topics The 72 paper cover cement and binders based on cement, inorganic binders, organic binders, silicate materials, building materials, and related topics. Specific papers discuss such aspects as a therm
