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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]
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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 Electronic books.
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 Pozzolan and Latent Hydraulic Materials; Reduction of CO2 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  
Aggregate Analysis 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 Adhesive Bitumen 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 Activity Increase of Recycled  
Glass; Chapter 5: Building Materials  
Comparison of Impedance Spectra of Concrete Recorded with Utilizing  
Carbon Transition Paste Reactivity 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

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#### 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  
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