

SANACE ZDIVA CÍRKEVNÍCH STAVEB – KAPLE, KOSTELY, KOSTELÍČKY

Michael Balík 12

VLIV ZRNITOSTI GRAFITOVÉHO PRÁŠKU NA ELEKTRO VODIVOST SILIKÁTOVÝCH KOMPozITŮ ZA RŮZNÝCH EXPOZIČNÍCH PODMÍNEK

Šimon Baránek, Vít Černý, Lenka Mészárosová, Rostislav Drochytka 18

EKOLOGICKY ŠETRNÉ ODSOLOVÁNÍ ZDIVA POMOCÍ NÁSTRÍKŮ BUNIČINY

Marcela Bosáčková, Michal Flosman, Mojmír Urbánek..... 27

VĚŽOVÉ VODOJEMY – STAVEBNĚ TECHNICKÉ PRŮZKUMY

Eva Burgetová, Zuzana Rácová, Robert Kořínek, Martin Vonka 31

VPLYV SPRIAHNUTIA NA ÚNOSNOŠŤ DREVENÝCH STROPNÝCH KONŠTRUKCIÍ

Klara Freudenberg, Jaroslav Sandanus..... 39

DYNAMICKÉ SIMULÁCIE VNÚTORNE ZATEPLENEJ HISTORICKEJ STENY V KOŠICIACH - PRÍPADOVÁ ŠTÚDIA

Kristián Hutkai; Dušan Katunský 45

AKUMULÁCIA A REDISTRIBÚCIA VODY V PIESKOVCOCH Z VÝCHODNÉHO SLOVENSKA

Pavol Jaroš, Marián Vertaľ, Richard Slávik 52

STONE SURFACE TOPOGRAPHY OF PRAGUE'S HISTORIC MONUMENTS OVER THE CENTURIES

Kateřina Kovářová, Michal Cihla, Richard Malát, Matouš Semerád a Michal Tryml 64

ÚSPĚŠNÉ REALIZACE SANACE PAMÁTKOVĚ CHRÁNĚNÝCH OBJEKTŮ

Lukáš Pečenka, Tomáš Plicka 77

PROJEKTOVÉ ŘEŠENÍ SANACE ZDIVA SPODNÍ STAVBY KAPLE SV. FLORIÁNA A ŠEBESTIÁNA V BZENCI

Zdeněk Štefek, David Lorenc 82

OPRAVY OMÍTEK Z UMĚLÉHO KAMENE

Zdeněk Vávra 92

DIGITAL BUILDING DIAGNOSTICS OF REINFORCED CONCRETE STRUCTURES

Ralf W. Arndt, Chris Voigt, Christina Fritsch and Jörg Burkhardt 98

COMPARISON OF WOOD MOISTURE METERS OPERATING ON DIFFERENT PRINCIPLES OF MEASURING

Adam Betak, Jiri Zach, Petr Misak and Jan Vanerek 98

RECYCLING CONSTRUCTION WASTES AS A SUBSTITUTE FOR AGGREGATES IN OBTAINING PLASTERING MORTARS

Saitis Catalin, Manea Lucia Daniela, Plesa Luminita Monica and Saitis Lavinia Raluca 99

EFFECT OF EXPOSURE CONDITIONS ON THE PROPERTIES OF CEMENTITIOUS COMPOSITES WITH REDUCED RESISTIVITY

Vít Černý, Rostislav Drochytka, Šimon Baránek and Vojtěch Uher 99

CASE STUDY OF REHABILITATION OF A BRICK BUILDING

Doubek Rostislav and Radka Kantová 100

MECHANICAL BEHAVIOUR OF TIMBER CONCRETE FLOOR PANNEL CONNECTED BY BONDING

Giuseppe Ferrara, Laurent Michel and Emmanuel Ferrier 100

INFLUENCE OF COMPOSITION ON RESISTANCE OF NEW CEMENT COMPOSITE

Petr Figala, Rostislav Drochytka, Vít Černý 101

DEVELOPMENT AND PERFORMANCE OF ECO-SUSTAINABLE FORM-STABLE PHASE CHANGE MATERIALS (PCMS) FOR MORTARS TO BE APPLIED IN BUILDINGS LOCATED IN DIFFERENT CLIMATIC AREA

Mariaenrica Frigione, Antonella Sarcinella and José Luis Barroso de Aguiar 102

IN-PLANE BEHAVIOUR OF UNREINFORCED MASONRY STRENGTHENED WITH A STRUCTURAL GLASS WINDOW: A PROOF OF CONCEPT

Maria B. Gaggero, Paul A. Korswagen, Rita Esposito and J. G. Rots 102

EXPERIMENTAL COMPARISON OF EFFICIENCY OF WATER-SOLUBLE AND SOLVENT HYDROPHOBIC AGENTS FOR CONCRETE

Jakub Hodul, Jana Hodná, Lenka Mészárossová and Ruben Paul Borg 103

ASSESSMENT OF A CONCRETE-STEEL STRUCTURE UNDER BENDING STRESS USING A PROBABILISTIC APPROACH

Petr Kesi and Zdeňka Rendlová 104

USE OF LIGHTWEIGHT SINTERED FLY ASH AGGREGATES IN CONCRETE AT HIGH TEMPERATURES

Klára Křížová, Jan Bubeník and Martin Sedlmajer 104

IOT MONITORING OF THE ANCIENT'S CONSTRUCTIONS AND EVALUATION OF THEIR CURRENT STATE.

Pavel Kuklik, Jan Kuklik, Michal Batko and Pratik Gajjar 105

MODIFIED MORTARS POLYMER BASED REPAIR MATERIALS FOR CONCRETE AND STEEL

Larbi Belagraa, Bakir Nassima, Abderrazak Bouzid..... 105

MODIFYING FROST RESISTANCE AND MECHANICAL PROPERTIES OF LIME MORTAR USING SILICEOUS AND FLUIDIZED BED FLY ASHES ACTIVATED WITH CEMENT

Dominik Logoń 106

STUDY OF THE INTERACTION OF CEMENT-BASED MATERIALS FOR 3D PRINTING WITH FLY ASH AND SUPERABSORBENT POLYMERS

Jindrich Melichar, Nikol Zizkova, Jiri Brozovsky, Lenka Meszarosova and Radek Hermann..... 107

REHABILITATION OF POROUS BUILDING COMPONENTS BY MICP INJECTION METHOD

Brigitte Nagy and Andrea Kustermann 107

THE USE OF ADVANCED ENVIRONMENTALLY-FRIENDLY SYSTEMS IN THE INSULATION AND RECONSTRUCTION OF BUILDINGS

Jiří Zach, Vítězslav Novák, Jitka Peterková, Jan Bubeník, Mitja Košir, David Božiček and Zdeněk Krejza 108

DEVELOPMENT OF A LOW pH CONCRETE INTENDED FOR DEEP GEOLOGICAL REPOSITORY FOR RADIOACTIVE WASTE

Radka Pernicova, David Citek, Daniel Dobias, Jiri Kolisko, Tomas Mandlik and Lucie Hausmannova. 108

A COMPARATIVE STUDY OF ENERGY PERFORMANCE OF CLT BUILDINGS WITH DIFFERENT INSULATION METHODS

Luminita Monica Pleşa, Raluca Claudia Craciun, Avram Raul Benjamin, Daniela Lucia Manea and Ligia Mihaela Moga..... 109

WATER DETENTION OF AN EXTENSIVE GREEN ROOF

Porwisz Ondřej, Martin Mohapl..... 110

DETERMINATION OF MECHANICAL AND PHYSICAL PROPERTIES OF CERAMIC MATERIALS AFTER EXPOSURE TO CONTROLLED MICROWAVE RADIATION

David Průša, Karel Šuhajda, Tomáš Žajdlík, Kateřina Svobodová, Stanislav Šťastník, Klára Hobzová and Václav Venkrbec 110

THE EFFECT OF AIR FLOW ON THE ANNUAL ENERGY BALANCE OF A FACADE WITH A VENTILATED GAP

Aleš Rubina, Pavel Uher, Jakub Vrána, Miloslav Novotný, Ondřej Nespěšný, Daniel Skřek, Eva Šuhajdová, Jan Vystrčil, Marian Formánek 111

HEATING OF AERATED CONCRETE BLOCKS BY THE ACTION OF MICROWAVE ENERGY

Jindřich Sobotka, Táňa Švecová and Miloslav Novotný 111

MIKROWAVE TECHNOLOGY (RUMOURS, MYTHS AND REALITY)

Jindřich Sobotka, Zdeněk Jiroušek, Táňa Švecová and Miloslav Novotný..... 112

EXPERIMENTAL RESEARCH ON HYBRID HARDWOOD GLUE LAMINATED BEAMS

Eva Šuhajdová, Pavel Schmid, Miloslav Novotný, Jan Pěňčík and Karel Šuhajda 112

THE TREEHOUSES

Veronika Vacenovská..... 113

**MEDIUM-SCALE FIRE RESISTANCE TESTING OF TIMBER STRUCTURES WITH
COMPOSITE CEMENT FIBRE MATERIALS**

Tomáš Žajdlík, Karel Šuhajda and David Průša..... 113

**DEVELOPMENT OF THE NEW NONDESTRUCTIVE METHOD FOR IN-SITU
DETERMINATION OF MORTAR STRENGTH**

Jiří Žalský, Miroslav Vokáč, Milan Hrabánek and Karel Hurtig 114

ODBORNÉ A KOMERČNÍ INFORMACE 115