

CONTENTS

RELAXATION OF GFRP ROD RADOSLAV SOVJÁK, JINDŘICH FORNŮSEK, PETR KONVALINKA, JAN L. VÍTEK	5
MODELING HEAT AND MOISTURE TRANSPORT PROPERTIES OF HISTORICAL MASONRY LUKÁŠ FIALA, ZBYŠEK PAVLÍK, EVA VEJMELKOVÁ, MILENA PAVLÍKOVÁ, ROBERT ČERNÝ	9
MULTI-OBJECTIVE IDENTIFICATION OF INPUT PARAMETERS FOR NANOINDENTATION MODEL ZUZANA VITINGEROVÁ, MATĚJ LEPŠ	15
THE DAMPING MONITORING OF THREE TYPES OF CONCRETE STRUCTURAL ELEMENTS IN DEPENDENCE ON THEIR DAMAGE LEVEL TOMÁŠ PLACHÝ, MICHAL POLÁK, JAN HEREL	23
CALIBRATION OF THE TDR METHOD AND ITS APPLICATION FOR MEASURING MOISTURE CONTENT OF BUILDING MATERIALS LUKÁŠ FIALA, ZBYŠEK PAVLÍK, ZBIGNIEW SUCHORAB, HENRYK SOBCZUK, ROBERT ČERNÝ	29
DETERMINATION OF SALT DIFFUSION COEFFICIENT OF BUILDING MATERIALS USING NERNST-PLANCK EQUATION MILENA PAVLÍKOVÁ, ZBYŠEK PAVLÍK, LUKÁŠ FIALA, ROBERT ČERNÝ	37
PROPERTIES OF HYBRID-FIBER REINFORCED CEMENT COMPOSITES AT HIGH TEMPERATURES EVA VEJMELKOVÁ, MILOŠ JERMAN, PAVEL PADEVĚT, PETR KONVALINKA, ROBERT ČERNÝ	41
HYGRIC, THERMAL AND MECHANICAL PROPERTIES OF CONCRETE CONTAINING METAKAOLIN EVA VEJMELKOVÁ, RADKA PERNICOVÁ, JAN TOMAN, MILENA PAVLÍKOVÁ, ZBYŠEK PAVLÍK, ROBERT ČERNÝ	49
EXPERIMENTAL DETERMINATION OF HYDRIC, THERMAL AND MECHANICAL PARAMETERS OF LIME-BASED COMPOSITE MATERIALS RADKA PERNICOVÁ, MILENA PAVLÍKOVÁ, ROBERT ČERNÝ	59
METAKAOLIN – POZZOLANIC ADMIXTURE FOR CONCRETE PETR KONVALINKA, KAREL KOLÁŘ, DAGMAR JANDEKOVÁ	67
SIMULTANEOUS TRANSPORT OF WATER AND SALTS IN POROUS MATERIALS: MODELLING AND EXPERIMENT LUKÁŠ FIALA, ZBYŠEK PAVLÍK, JIŘÍ MADĚRA, MILENA PAVLÍKOVÁ, ROBERT ČERNÝ	71
COMPUTATIONAL ANALYSIS OF HYGROTHERMAL PERFORMANCE OF INTERIOR THERMAL INSULATION SYSTEM BASED ON ADVANCED TYPE OF HYDROPHILIC MINERAL WOOL JIŘÍ MADĚRA, MILOŠ JERMAN, ROBERT ČERNÝ	81

A COMPUTER SIMULATION TOOL FOR MODELING COUPLED WATER, HEAT AND SALT TRANSPORT WITH CRYSTALLIZATION IN BUILDING MATERIALS JAN KELNAR, JIŘÍ MADĚRA, ROBERT ČERNÝ	95
MECHANICAL PROPERTIES OF MATERIALS INVOLVED IN INTERIOR THERMAL INSULATION SYSTEM ON MINERAL WOOL BASIS MILOŠ JERMAN, ROBERT ČERNÝ	105
HYGRIC PROPERTIES OF MODIFIED LIME – BASED PLASTERS RADKA PERNICOVÁ, MILENA PAVLÍKOVÁ	109