

## CONTENTS

<b>EXPERIMENTAL METHODS FOR DETERMINATION OF WATER AND SALT TRANSPORT AND STORAGE PROPERTIES OF PLASTERS AND INORGANIC SEALERS</b> EVA VEJMEKOVÁ, MILOŠ JERMAN, ROBERT ČERNÝ .....	5
<b>A COMPARISON OF PROPERTIES OF HYDROPHILIC MINERAL WOOL MATERIALS DESIGNED FOR DRYING AND DESALINATION OF MASONRY</b> PETR MICHÁLEK, VRATISLAV TYDLITÁT, ROBERT ČERNÝ .....	23
<b>THERMAL RESISTANCE OF ALKALI ACTIVATED ALUMINOSILICATES</b> LUCIE ZUDA, ROBERT ČERNÝ .....	31
<b>MATERIALS USED FOR COMPOSITES CONTAINING TIMBER</b> LENKA HLUŠÍ, PETR KONVALINKA .....	41
<b>DETERMINATION OF BOND CHARACTERISTIC OF NON-METALLIC REINFORCEMENT</b> RADOSLAV SOVJÁK, PETR KONVALINKA, JAN L. VÍTEK ..	47
<b>ASSESSMENT OF BEARING CAPACITY OF BEAMS REINFORCED WITH NON-METALLIC REINFORCEMENT</b> RADOSLAV SOVJÁK, PETR KONVALINKA, JAN L. VÍTEK .....	55
<b>EFFECT OF HIGH TEMPERATURES ON HYGRIC AND THERMAL PROPERTIES OF ARAMID FIBRE REINFORCED CEMENT COMPOSITES</b> EVA VEJMEKOVÁ, MILOŠ JERMAN, PETR KONVALINKA, ROBERT ČERNÝ .....	61
<b>WATER AND WATER TRANSPORT PROPERTIES OF PLASTERS SUITABLE FOR RECONSTRUCTION OF HISTORICAL BUILDINGS</b> EVA VEJMEKOVÁ, RADKA PERNICOVÁ, ROBERT ČERNÝ .....	67
<b>PROPERTIES OF CEMENT BASED COMPOSITE WITH HYBRID PVA FIBER REINFORCEMENT</b> EVA VEJMEKOVÁ, MILOŠ JERMAN, PAVEL PADEVĚT, ROBERT ČERNÝ .....	73
<b>PROPERTIES OF HPC WITH METAKAOLIN AND SLAG ADMIXTURES</b> EVA VEJMEKOVÁ, MILOŠ JERMAN, PAVLA ROVNANÍKOVÁ, ROBERT ČERNÝ .....	79
<b>APPLICATION OF MAXWELL GARNETT'S MIXING RULE IN DIELECTRIC MEASUREMENT OF MOISTURE CONTENT</b> LUKÁŠ FIALA, ZBYŠEK PAVLÍK, ROBERT ČERNÝ .....	83
<b>MOISTURE DEPENDENT THERMOPHYSICAL PARAMETERS OF MATERIALS USED FOR HISTORICAL BUILDING RENOVATION</b> RADKA PERNICOVÁ, MILENA PAVLÍKOVÁ, ROBERT ČERNÝ .....	89
<b>COMPUTATIONAL SIMULATION OF HYGROTHERMAL PERFORMANCE OF INTERIOR THERMAL INSULATION SYSTEM BASED ON ADVANCED TYPES</b>	

<b>OF HYDROPHILIC MINERAL WOOL MILOŠ JERMAN, JIŘÍ MADÉRA, ROBERT ČERNÝ .....</b>	<b>95</b>
<b>DESIGN OF FOOTBRIDGE ACROSS THE LITAVKA RIVER IN BEROUN BASED ON VIBRATION EIGENFREQUENCIES AND EIGENMODES JAN ZATLOUKAL, PETR KONVALINKA .....</b>	<b>105</b>
<b>OBSERVATION OF TEMPERATURE AND ITS CORRESPONDENCY WITH CZECH STANDARD AND INFLUENCE OF TEMPERATURE ON DYNAMIC BEHAVIOUR OF MOTORWAY BRIDGE JAN HEREL, MICHAL POLÁK .....</b>	<b>107</b>