



## CONTENTS

### No.4 CIVIL ENGINEERING & MATERIALS ENGINEERING

**Yu.B.Potapov, Yu.M.Borisov, V.A.Chmykhov**

Improvement of Durability of a Polymer Concrete Based on Polybutadiene Binder

**Yu.B.Potapov, Yu.M.Borisov, V.A.Chmykhov**

Resistance of a Polymer Concrete Based on Polybutadiene Binder to Organic and Inorganic Acids

**Yu.B.Potapov, Yu.M.Borisov, S.A. Goshev**

X-Ray Fluorescence Spectroscopy Analysis of Pyrolyzate of a Polymer Concrete Based on Polybutadiene Binder

**Yu.M.Borisov, S.A. Goshev**

Strength and Performance Efficiency of Rubber Concrete

**Yu.M.Borisov, D.V. Panfilov**

Fiber-Reinforced Rubber Concretes

**Yu.M.Borisov, D.V. Panfilov, S.V. Kashtanov, Ye.M. Yudin**

Stress – Strain Characteristics of Fiber Polymer Concrete Based on Polybutadiene Binder

**Yu.M.Borisov, A.E.Polikutin**

Strength Calculation for Oblique Sections of Bending Elements  
Made of Rubber Concrete

**Yu.M.Borisov, A.E. Polikutin, Nguen Fan Zuy**

Study of Fiber Reinforced Rubber Concrete Structural Elements in Bending

**Yu.M.Borisov, A.E.Polikutin, A.C.Chudinov, M.M.Okunev, A.S.Bystrov**

Study of T- flange Rubber Concrete Bended Beams

**Yu.M.Borisov, D.E. Barabash, S.A. Goshev**

Thermal Resistance of Rubber Concrete Based on Butadiene Oligomer

**Yu.M.Borisov, D.E. Barabash**

Wear Resistance Coverings on the Basis of Oligodiens

**Yu. B. Potapov, A. A. Puzyrev**

Research of Cement Matrix Filled with Carbonaceous Addition

**Yu. B. Potapov, A. A. Puzyrev**

Properties of Filled Cement Compositions During Turbulent Mixing

**S.A. Pinaev**

Effect of Polymer-Cement Protection on Crack Resistance of Reinforced  
Concrete Bending Elements

**O.B. Rudakov, E.A. Khorokhordina**

Application of Digital Colorimetry in Chemical Analysis of Building Materials

**Yu.M.Borisov, D.Ye. Barabash, D.V. Panfilov, A.V. Anisimov**

Constructional Composites Based on Non-Isocyanate Polyurethane

**A.V.Vasiliev**

Monolithic Reinforced Concrete Flat Pan Floors of the Integrated Spans

**D.Beilin**

Earthquake Resistant of Concrete Reinforced Residence Building:  
Estimation of its Geometric Parameters

## LETTERS

**Yu.B.Potapov, Yu.M.Borisov, D.V.Panfilov, S.A. Goshev**

Experimental Determination of Temperature Parameters of Rubber Concrete

**O. Figovsky, A. Futoriynsky**

Construction Element for Erecting Structure, and Method of Erecting Structure  
with Use thereof

**R. Sanjarovsky**

Prospects of a Reinforced Concrete Construction in Russia and Eurocodes