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## ANNOTATIONS

### MATERIALS

*Ilyichev Alexey. ALPHAPOR – European Heat Insulation Material. Made in Russia.*

The idea of obtaining foaming cellular polystyrene belongs to Swedes. Practical Scandinavians patented it as early as in the first half of the last century, in 1913. But the current well-known one was invented in the depth of BASF laboratories, and it got an abbreviated name EPS (Expanded Polystyrene Foam). Since then it has been used as packing and heat insulation material (p. 10).

*Krolevetsky D. V. Integrated Approach to Developing Mixture Composition Guarantees High Quality of Ceramic Bricks.*

The article considers higher effectiveness of manufacturing high quality ceramic bricks. It also presents basic features of developing rational mixture compositions for manufacturing high quality facing bricks, porous blocks and clinkers and provides recommendations (p. 12).

### EQUIPMENT

*Gukova Liudmila. KONE – 100 Years on People's Service.*

The article presents long and worthy history of a little machine-shop that turned into the world leading company producing elevators and escalators (p. 15).

*Didevich Alexey. UPM: Plywood Miracles in Chudovo.*

In early December the second press-tour of the UPM Company took place. The first one was held in May along the routes to a woodland plot and a sawmill in Pestovo (see issue № 7, 2010, pp. 38-39), and the current one – to the UPM plant also located in Novgorod region: to the plant in Chudovo that manufactures veneer and plywood for construction industry and other areas (p. 17).

### Megalopolis Go Underground.

The title is not a bogeyman story from an apocalyptic novel. This is just a statement from a contemporary town planning tendencies. Big cities are a set of big and often similar problems. They are related not only to preserving their unique historical look, but also to organizing living space and regulating traffic flows. These cities are inhabited by people who work in them... Kshishtof Pomorski, Technical Director of the Military Institute of Government Communication («Design Department for High-Rise and Underground Constructions» Public Corporation, St.Petersburg) in his exclusive interview to the «Construction Materials, Equipment and Technologies of XXI Century» Journal (correspondent – Alexey Didevich) told of the modern tendencies of developing underground space of big cities (p. 22).

### TECHNOLOGIES

*Didkovskaya O. V. Expensive Construction? Reasons and «Guilty». Part 3.*

The article analyzed bottlenecks in construction industry pricing system that leads to costly construction (p. 27).

*Bratchun V.I., Pakter M.K., Беспалов V.L., Konnov N.S., Guliak D.V. Road Organic Binders As Oligomer-Polymeric Colloidal Systems. Part 2.*

The article considers issues related to behavior of oligomer-polymeric systems as base for organic binders used first of all for road construction (p. 30).

*Yefimenko A.Z. Determining Stock Levels and Regulating Manufacturing of Sets of Products for Large-Panel House Building.*

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## A N N O T A T I O N S

Modern and packaged supply of parts and constructions is not possible without well organized accounting and controlling manufacturing and packaging arrangement. Modern methods and means of computer engineering allow higher efficiency of accounting and control, centralizing processing of information, and optimizing regulation and packaging arrangement of products. For this purpose a normative stock zone for each product brand is established (p. 33).

***Yepifanov V.A. Resources for Beautification of Moscow City Based on Innovation Development.***

Considered are the issues related to beautification of asphalt coating in Moscow, partial replacing it with paving tiles and regeneration of old asphalt coating. Special attention is paid to beautification of other territories in Moscow base on maintenance of courtyards, roads and garages (p. 34).

***Lapidus A.A., Berezhny A.Yu. Managing Quality of Construction Projects Based on Optimal Production and Technological Modules.***

The article analyses algorithm that allows evaluating quality of finished and running construction projects, which can serve as a basis for substantiating and supporting organizational and technological decisions in construction processes (p. 36).

***Baurova N.I. Using Intelligent Materials in Evaluating Stability of Construction Structures.***

Construction structures (especially high-rise ones) are characterized by fatigue damages that cause accidents. In this connection, timely diagnosing fatigue damages in construction structures become an urgent task. This article describes new methods for evaluating construction structures by using intelligent materials. This method was patented and now is being introduced in various projects (p. 39).

**ИНФОРМАЦИЯ**

***Volochayev Sergey. Scottish Projects without Architectural Fancifulness.***

The RMJM abbreviation has a simple meaning: Robert Matthew и Johnson-Marshall. Two Scots founded in 1956 in Edinburgh an architectural bureau that further developed by setting up branches in different parts of the world that employ nearly a thousand of people (p. 45).

***Kopylov I.A. The CNTI «Composite XXI Century» at the «CityBuild».***

The Center for Scientific and Technical Information provided informational support to the «CityBuild» Exhibition held theoretical and practical seminar where it presented scientific and technical journals «Construction Materials, Equipment and Technologies of XXI Century», «Technologies for Concrete», «Roofing and Insulation Materials» and «Dry Construction Blends and introduced a number of exhibition participants (p. 48).

***Moscow, Sokolniki, «Quarter of museums».***

The first in Russia «Quarter of museums» has opened at the territory of the Ecocenter and the Museum-educational complex «Sokolniki». The idea of opening «Quarter of museums» has pleased as to inhabitants and area prefecture as well. Now at the Ecocenter's territory are two museums – the «Modern museum of a calligraphy» and a museum of a world history of packing function. The «Packing museum» has appeared in «Sokolniki» more recently and while its exposition consists only of hundred subjects, but after all it only the beginning... (p. 51).