



**MATERIALS**

*Alexander Poroshin. Domestic sheet piling as the guarantor of economic security*

Article deals with the First all-Russian Symposium devoted to technologies and practice of using sheet piling in the construction of transport, hydraulic engineering, port and shore protection structures located in different climatic regions of Russia (p. 8).

*Vyrovoy V.N., Martynov V.I., Vetokh A.M., Martynova E.A., Elykin V.V. Modeling while assessing the nature of the foam concrete structure*

Authors proposed some methods being improved can be applied for the rapid prediction of the properties of cellular concrete, as well as for the synthesis of artificial construction composites with predictable structure and properties (p. 11).

*Davidyuk A.N. Lightweight concrete based on the granulated glass is future enclosing designs*

Paper is devoted to the structure of physic and mechanical and thermal properties of light structural thermal insulation of concrete at various vitreous aggregates – granulated glass (p. 14).

*Garshkov A.S., Rymkevich P.P. Thermal modeling of a two-layer wall structure with the facing layer of the brick*

Article tells that now day in practice of designing and constructing buildings with monolithic reinforced concrete frame and floor bearing exterior walls on monolithic or precast-monolithic reinforced concrete floors, one of the most common options for filling the outer heat protective shell is a constructive solution of the wall consisting of two layers (p. 18).

*Mamontov A.A., Yartsev V.P. Comparative characteristic use of polystyrene foam in the design of a pavement*

A comparative analysis of application of the press, pressless and extruded polystyrene foam as an insulating layer in the design of a pavement is considered. It is shown that extruded polystyrene PENOPLEX is the most reliable and effective insulation, providing optimal water thermal regime of the road and increase its service life (p. 22).

**EQUIPMENT**

**Formwork HÜNNEBECK is an optimal solution in the construction industry**

Trends of the modern Russian construction market show that the most promising building technology during the construction of high-rise and low-rise buildings is the technology of monolithic construction. So, in the markets of Moscow and St. Petersburg, the proportion of houses built on this technology, more than 50%. However, monolithic construction is impossible without application of various formwork systems. CEO Hünnebeck RUS Dmitry Abramov tells about the Russian market of formwork systems, its features and solutions that the company offers (p. 27).

**Bosch Thermotechnika – from sales to production**

This paper considers the technical characteristics and competitive advantages of industrial boilers, manufactured by Bosch Thermotechnika – Russian unite of German Bosch Thermotechnik GmbH (p. 30).

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