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А Н Н О Т А Ц И О Н С

MATERIALS

The round table – Problems of saving energy: new technologies and new materials.

The present days market of polystyrene, the experience of this material, its prospects and problems assess the round table participants – top managers of the largest Russian companies (p. 8).

Poroshina Elizabeth. Life-cycle cost of the roof.

In the article the questions of application of the methodology to evaluate the costs not only for the acquisition of one or another type of construction material, but also the costs associated with their further operation over the life cycle. In particular, this method can be used for budgeting of erection and operation of roofing (p. 14).

Sokov V.N. High-temperature heat-insulating materials, synthesized in hydro power form.

The article considers the theoretical positions about the possibility of creating unfired chamotte light-weight products. The hypothesis about the necessity of introduction in chamotte mass of chemically active component that performs the role of catalyst, an electrolyte, and to provide for the product during the shaping process in heat power field, short-term drying and operation of the active high-temperature synthesis (p. 16).

EQUIPMENT

New products: electronic thermostats for heating and defrosting.

In the end of 2011 the market received the new electronic thermostats by «Eltek Electronics» company – is one of the main manufacturers of electronic thermostats, intended for automatic control of the systems of heating, ventilation and melting of snow and ice (p. 23).

TECHNOLOGIES

Gorbenko Vasily. Winter installation of windows.

The article says about the nuances and peculiarities, which should be taken into account in the winter installation of windows. For example, when editing window should be used at room temperature, since at cooling the linear dimensions of the frame and sash can be slightly reduced in size. The author indicates that at -15°C and below while installing the need a heat gun and protective screens to be used is obvious (p. 24).

Babkov V.V., Gaisin A.M., Kuznetsov D.V. Experience of designing, construction and exploitation of heat-efficient designs of external walls of buildings in the Republic of Bashkortostan.

The article presents an analysis of the experience of Bashkortostan in the implementation of development programmes in the practice of design and construction of a new Russian (SNiP 23-02-2003, SP 23-101-2000) and regional (TSN 23-318-2000 of the Republic of Bashkortostan) standards for thermal protection enclosing structures of residential houses and buildings of other purpose. It is noted that the standards and requirements for thermal protection required development and implementation of new design solutions protecting designs (p. 26).

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ROOFING AND INSULATION MATERIALS

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A N N O T A T I O N S

Igor Vladimirov. **Quality standards for rolls systems: a sight in the future.**

Germany is the homeland of book-printing, classical romanticism and first-class cars. And yet at least one of the things, without which it is impossible to imagine a modern Europe that are rolls systems. However, in Russia, Belarus and Ukraine the popularity of those systems also grows. And this is logical: they perform a range of functions, ensuring the house comfort and security to its owners: protective, sound and heat insulation (p. 30).

DuPont: The latest innovative solutions in the field of membrane technologies.

In the framework of the exhibition MosBuild-2011 the DuPont company introduced a number of innovative solutions in the field of construction, intended to raise the level of ecological compatibility of buildings, as well as saving of energy needed for heating or cooling of premises (p. 32)

INFORMATION

Mokretsov Alexey. **Where the East meets the West.**

A report from the international exhibition of roofing coatings and paint and varnish products TurkCoat-2011, recently held in Expocenter of Istanbul (p. 34).

Kirillov Alexander. **Regional problems of energy efficiency. The North and the Far East of Russia.**

The article notes that for reducing the cost of delivery of the fuel, which in many respects provides vital activity in the regions of the North, around the world used two ways. The first is energy efficiency at all stages of the life cycle of buildings and constructions: design, construction, operation. The second is the use of the so-called non-traditional (mainly renewable) energy sources. This is first of all wind and thermal power plants, the use of which in the settlements of the North, scattered over large areas, allowing inter alia get rid of construction of the power transmission lines. However, the most effective way to reduce fuel consumption is the use of energy-saving technologies (p. 36).

The forum SOCHI-BUILD gathered the leading producers and distributors from all over the country.

The main directions of work of the forum were the architecture, construction, improvement, housing and communal services, sports facilities – designing, construction, equipment, climatic systems, heat, gas and water supply (p. 41).

CNTI «Composite XXI century» is the participant of the exhibition «Wooden house building – 2011».

15-th International show «Wooden House Building / HOLZHAUS» was held in «Crocus Expo» (Moscow) from 10 to 13 November 2011. Its organizer is the international exhibition company MVK held a fair under a kind of motto: «Autumn – the time of the plans and proposals. Spring is the time of ready-made solutions». In an exhibition have taken part about 200 companies from Russia, Finland, Belarus, Germany, Canada (p. 42).