



Construction industry in focus (p. 4).

MATERIALS

Round table: energy efficiency, new requirements. Solution is a complex approach

Industrial revolution, which is already called the fourth in the history of human civilization, inevitably leads to a change in the seemingly established notions, in the words of well-known classics, about the base and the superstructure. Circular economy, digitalization of technological processes and management, reduction of energy losses – this is only part of world trends. Energy efficiency and energy saving is the first in a series of inevitable steps towards the transformation of the economy, and in particular the construction sector, in all its aspects (p. 9).

Stytsenkov A.A., Galimzyanova R.Y., Akhmedgoraeva A.R., Khakimullin Yu.N. **Rolling roof materials: material types, market, development tendencies**

Paper is about the types of roll roofing materials and trends in modern market development. It is concluded that the future belongs to rolled roofing materials based on thermoplastic elastomers and rubbers. The use of roofing coatings on rubbers allows using new vulcanizing systems, if necessary, to regulate their properties in a wide range by using the principle of rubber curing after coating (p. 19).

Maxim Ereemeev. **Methods for finding leaks on a flat roof**

The rules of apartment buildings flat roofs operation imply regular inspection of coverage. The damage detected in time allows one to get rid of unpleasant consequences: wet insulation, leaks in the room, icing. How to find a leak with a precision instrument is described in this article (p. 23).

EQUIPMENT

Spiridonov A.V., Shubin I.L., Gerashchenko R.V. **Dynamic (adaptive) facades are the new generation of enclosing structures**

Article provides an overview of new technologies and solutions of modern facade structures, which form five main classes: «bioclimatic» («green») facades, «energy», facades are so called «light concentrators», «stage» or «archi-

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tectural» and, finally, «dynamic» or «adaptive» facades. Their distinctive features are given as well as are considered the most typical examples of the facades use. In addition, an assessment was made of the prospects for the use of these facades in Russia (p. 25).

TECHNOLOGIES

Shalenny V.T., Smirnov L.N., Drevetnyak O.I.
Improving the efficiency and competitiveness of foam glass use in plaster insulation systems

This paper is about the evolution of ideas concerning the energy efficiency and competitiveness of modern systems of external insulation and finishing of civil buildings. There're presented advanced design insulation and walls of civil buildings with the use of plaster compositions as well. They are based on granules of foam glass. It's an effective, environmentally friendly and durable building material. The advantages and technological peculiarities of works execution on the proposed constructive-technological systems are showed (p. 31).

Redko Yu.B. **Sound insulation of window designs using PVC profiles**

Based on the information analysis, a technique is proposed, as well as experimentally obtained data on the sound insulation of window units made of PVC profiles, depending on the design, availability and design of composing elements (p. 37).

INFORMATION

Top 5 life hackings in the drainage area

If on your personal plot for a long time there are thawed and rain waters or the cellar is constantly heated, then it is time to be engaged in the device of effective drainage system. The article introduces the necessary types of works during the drainage of the site, and also tells about examples of people's ingenuity, which will help to avoid the most common mistakes (p. 43).

EVENTS

Kopylov I.A. **ARCH Moscow 2019 NEXT!**

NEXT name! It speaks for itself. Of course, this is about the New – in all its manifestations (p. 45).



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