



**MATERIALS**

***Kopylov I.A. Italy. Verona. Structural Insulated Panels produced by the ISOPAN company***

The ISOPAN RUS company invited the representatives of the construction community to visit the company's headquarter in Italy to exchange experience and establish new relationships. In this issue of the journal the editorial board publishes a report about this trip (p. 9).

***Kopylov I.A. PUR and PIR – new heat insulation materials for Russia***

Insulation materials polyurethane foam (PUR) and polyisocyanurate (PIR) being relatively new to Russia got significant spread in the domestic construction market. This article describes the main properties of the insulation sandwich panels PIR/PUR, their distinctive features, for example, designs of roofs used on flat and pitched roofs (p. 14).

**PENOPLEX® on flat roofs**

Improving the design and technology of installation of residential and industrial buildings roofs is an urgent technical problem now day. The roof is exposed to numerous environmental factors: temperature, moisture, wind, snow, rain, etc., so it is usually performed laminated in order to withstand the aggressive action. Details are in article (p. 18).

**The KINEF company: reliability and product quality**

This article provides a detailed analysis of bitumen-polymer materials technical properties produced by the KINEF company, and defines their scope as well (p. 20).

***Godulyan L.V., Avdeeva L.K. Study of the qualitative indicators of the slate during storage***

This paper considers results of qualitative research slate after 5 and 7 years of storage in unheated warehouse; on the basis of the results, shelf life of the slate is recommended (p. 25).

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**EQUIPMENT****Redko Yu.B. Soundproofing internal walling**

Author provides a methodology on the basis of information analysis and introduces experimental data of frequency characteristics of some types of interior partitions sound insulation (p. 29).

**TECNOLOGIES****Gorshkov A.S., Dadchenko A.Yu., Olshevskiy V.Ya., Rymkevich P.P. Assessment of air required for normalization of temperature and humidity conditions of the cold attics**

Paper deals with the recommendations for addressing the causes of ice dam formation on the roof with a cold attic and a pitched roof during the heating period of operation. In more detail is considered the case of calculating the required air exchange of the premises into a cold attic with no insulation of building structures, protecting the attic from the premises or utilities as sources of heat (p. 33).

**EVENTS****Alexey Didevich. The first Caparol Academy in Russia: launch, ops normal**

In Moscow region was opened for professionals of the construction market the Caparol Academy, so far the first in Russia. Why so far? Because of the German concern DAW SE has far-reaching plans: to create a network of such academies across the country – from St. Petersburg to Vladivostok (p. 38).

**Kopylov I.A. «Steel Construction 2016» – the first time in Russia**

The first International specialized exhibition «Steel Construction 2016», where were presented designs and effective technologies in housing and industrial construction, was hosted in Moscow (p. 42).

**Kopylov I.A. 2nd congress «Building insulation 2016: results and prospects»**

Article provides an analysis of the market of thermal insulation materials and prospects of its development (p. 45).

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