



Construction industry in focus (p. 4).

Molchanova A.A. New in normative and technical documentation in the roofing industry: 2019 results

The issue of developing the regulatory and technical base in the field of roof construction has been an acute issue since the 1990s. At that time, new technologies «poured» into the country from abroad, then their enterprises began to be created to produce modern materials. The introduction of new technologies required a review of the entire base of standards – on design, on materials and methods of testing, construction and installation works. Harmonization with European standards was required. Therefore, the task of developing the regulatory and technical base for roof construction was set among the priorities when creating the National Roofing Union in 2006 and has since been systematically implemented (p. 8).

MATERIALS

Solntsev A. Ceramic tile market in Russia, Pricing and Specifications

This paper is about the multifaceted analysis of the Russian modern market of ceramic tiles (p. 11).

TECHNONICOL introduces new product to the market

Commentary on the new product of TECHNONICOL, which is a response to the request of the construction market regarding the development of a material that allows for a tight connection when switching from PVC membranes to bitumen-polymer materials (p. 16).

EQUIPMENT

Remnev V.V., Zaitsev A.E. The use of Brazilian slate for the exterior decoration of building facades

Paper deals with the results of tests of Brazilian oil shale and studies the chemical and mineralogical composition of this material (p. 18).

Shalimov V.N. Adaptation of the pitched roof system with a rigid plate heater to the Russian operating conditions

The author refers to the foreign experience of the organization of pitched roofs with exploited insulated lofts attic type. In particular, he notes the tendency to move away from the classical construction with the interdigital location of the roofing insulation (p. 23).

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TECHNOLOGIES

Morgun V.N., Morgun L.V., Bogatina A.Yu.

Proposals for improving thermal protection of buildings

Features of the mass development of buildings constructed in the 70-80 years of the last century are that almost all of them need overhaul of the roofs. And urbanization of the XXI century requires the installation of attic floors. An analysis of materials properties suitable for roofs thermal insulation has demonstrated that a number of widely used traditional products are becoming insufficiently rational in modern operation. Information on the operational properties of fiber-reinforced concrete is reflects the appropriateness of its use when performing major repairs of buildings (p. 28).

Redko Yu.B. Comparative acoustic tests of three types of wall panels

Based on the information analysis, a technique is proposed, as well as experimental data obtained on it for soundproofing wall panels, depending on the design, availability and type of material to be filled, are presented (p. 32).

Shapovalova Evgeniya. The Rheinzink company technologies for roofs and facades: lozenges

Roofers are increasingly performing facade installation work – this is a worldwide trend. Even at the International Championship of Young Roofers in 2018, the nomination «Facade works» has appeared. Given to this fact, RHEINZINK prepared a review of rhombuses – small piece metal elements suitable for facing both pitched roofs with a slope of 35° or more and facades (p. 36).

Rules for quality installation of metal roofing

Metal tile today is such a popular material that many individual developers have little doubt when they are faced with the question of choosing the type of roof for a country house. However, quality material is only part of a reliable roof. Details are in this article (p. 40).

Attic: its layout and arrangement in the house

Attic is not only an additional area in the house. Thanks to the location farthest from the entrance and a non-standard look, it can become a favorite place for work or leisure. For this, it is necessary to create the most comfortable conditions in the attic – it should be convenient in shape, insulated, well-lit and well planned (p. 44).



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