

Victor Boyarinov. The electronic trading platform of a new type: created by builders for builders

Paper tells about the idea of creating the electronic trading platform, principles of its work and the impact it has on improving the efficiency of the construction business in Russia (p. 7).

**MATERIALS**

**Vented facades – typical errors in the design and arrangement of facade with mineral wool insulation**

Paper discusses popular in European countries technology of ventilated facades. In the last 5-6 years this solution has been actively used by the Russian builders. However, taking into account the design features of this system in the Russian conditions it may be not free from certain shortcomings (p. 9).

**Alexander Ilyin. The one can climb up the steps and the other would hop on the elevator**

This year the holding company «Composite» celebrates anniversary – 5 years on the Russian market.

About the technologies and products of the companies included in the holding tells this paper (p. 12).

**Matveeva L. Yu., Kozhykhova M.I., Malinovker V.M., Dmitriev M. Yu. To the issue of polymer composites modification**

Authors contend that as a result of polymer systems modification through the introduction of mineral micro- or ultrafine systems can be obtained polymeric composites with high mechanical and decorative characteristics which are several times higher than that of classic polymeric compounds and sometimes qualitatively new materials (p. 14).

**Minko N.I., Yahya M. Study the possibility of using sand Yemen in the manufacture of glass**

This article considers the results of study Hudaida Yemen sand deposits, its rebellious and of defining applications in the glass technology (p. 16)

**EQUIPMENT**

**Iliya Alexeev. Yanmar – Russian flight of Queen dragonflies**

Japanese holding Yanmar, one of the world leaders in the production of diesel engines, and on their basis – energy equipment, construction and agricultural equipment, opened in Russia subsidiary (p. 18)

**TECHNOLOGIES**

**Treschalin M. Yu., Treschalin Yu.M. Experimental study of the binder adhesion association and the structural elements of nonwoven basis**

In the article the authors point out that as a result of experimental research was found that the relationship between monothreads and the matrix representing by polymerized binder on the basis of polyester resins and adhesives (sealants, rubber glue, PVA glue) is effective enough. Improvement of strength properties of composites manufactured on non-woven basis is achieved by a surface layer formed during the adhesion of the structural elements and a binder in the process of polymerization (p. 22).

**Gorshkov A.S. The principles of buildings energy saving**

In paper is shown the influence of the size and shape of the building, the orientation of the facades on the sides of light, heat protective features of fencing structures, influence of heat-conducting



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