



MATERIALS

Five reasons to choose TM FORMAN

TM FORMAN is one of the leaders of the domestic market for the production of dry construction mixtures meeting all modern environmental standards. The article deals with the competitive properties of gypsum used in dry construction mixes (p. 10).

TUBAG – long-term system of cobbles paving and pavement clinker

Modern cobbles, paving clinker and natural stone are unique color of luxury in the improvement of any territory. Whether it's a city square or a cottage's walkways – these materials are attached exploited surfaces of the spirit of an enduring centuries-old classic, which is always relevant. They are an absolute symbol of reliability, eternity and prestige. With only one «but» – if the correct technology of paving is observed (p. 12).

Expansion of the Aquatron product line

The review presents brief descriptions of new products of the brand Aquatron, intended for repair and restoration of building structures (p. 14).

Korovyakov V.F. Waterproof gypsum binders of the new generation

Article informs that scientists of Moscow State University of civil engineering created waterproof gypsum binders of a new generation – composite gypsum binders of low water demand. The technology of their production is based on the achievements in the field of mechanic and chemical activation of materials, which makes it possible to obtain a qualitatively new level of material properties, previously not achieved (p. 17).

TECHNOLOGIES

Denisov G.A. Technogenic waste is a raw material base of construction

Author raises the issue of effective utilization of ash and slag materials in the article. For example, the technology of introducing 100-200 kg of active ash per 1 m³ of concrete makes it possible to save up to 100 kg of cement. Slag sand is suitable for the replacement of natural sand, and slag crushed stone as a large aggregate. Application of ashes improves the molding properties of concrete and dissolving mixtures and the quality of the surface of products, reduces the density and heat conductivity of concrete, which is especially important for light and cellular concrete (p. 21).

Kuzmina V.P. Pilot-industrial testing of mechanic activated pigments under

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Кузьмина В.П. О некоторых итогах конференции
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the common formula name «Kolorit» for powder mechanical activated paints production

Powder coating is an economical way to create high-quality protective or decorative coating. The popularity of the method is due to its versatility, as this type of processing does not require a lot of experience and it is an effective one on a variety of surfaces. It is included a coloring of bricks or a road marking. The using of mechanical activated pigments in this technology allows you reduce the temperature of solidification, to increase adhesion and hardness of coatings, as well as corrosion resistance (p. 25).

Litvinenko S.V., Potashev M.G., Balmasov G.F.

On the problem of crack resistance of gypsum plasters on aerated concrete bases

Plastering with gypsum plaster surfaces from aerated concrete often leads to the appearance of cracks, which can be either single or occupy a significant portion of the treated surface. The various ways to combat cracking, used by manufacturers of gypsum plasters, do not always give a reliable result. The original method of quantitative evaluation of crack resistance of gypsum plasters is presented in the article. Based on this method, the effect of various additives on cracking is considered. Data on the effect of different manufacturers on the amount of gypsum cracking are presented. On an example of separate manufactures it is shown as cracking of plasters depending on a lot of the released gypsum can change. The influence of primers of various compositions on the possibility of preventing cracking of gypsum plasters on a gas-concrete base is considered. Recommendations are given on ways to eliminate cracking (p. 30).

EVENTS

Kopylov I.A. SOLIDS-2017 – results and prospects

The exhibition «SOLIDS-2017 Bulk materials» was successfully held in Moscow. Publishing house «Komposit XXI vek» as its constant information partner represents some companies-participants of the show (p. 39).

Kuzmina V.P. About some results of the «BusinessCam-2017» conference

XXVIII International conference and exhibition «Cement Industry and Market – Business-Cem Moscow 2017» was held in the President Hotel. Vera Kuzmina, technical expert of the Union of Manufacturers of Dry Building Mixtures comments on some of the results of this event (p. 43).



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