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MATERIALS

What is the House that Jack GRAS has built?

Article considers the physical properties of concrete D400 and D500, produced by enterprises of the group GRAS, ecology and frost resistance, durability and energy saving, fire resistance and efficiency. It is emphasized that the competitive advantage of aerated concrete in the variability of its application, the ability to take a leading position on the market of low-rise cottage construction and comfortable social housing (p. 8).

PENOPLEX®FUNDAMENT is a construction solid foundation

This paper tells about the fact that it is the foundation has to share the load of the building, guarantees stability, durability and reliability of the construction. In order for the foundation successfully implement its function, it should be qualitatively designed and protected, insulation of the foundation is the major element of its protection. In article are analyzed in detail the physical-chemical properties of heat-insulating plates PENOPLEX®FOUNDATION (p. 12).

EQUIPMENT

SCANIA: technique passed by the test of time

Article tells about the experience of SCANIA dump trucks application in severe climatic conditions of Eastern Siberia (p. 16).

TECHNOLOGIES

Construction: profit spite of everything

Decrease of demand, reduction of construction works volume and number of employees did not prevent the construction business in the first quarter of this year to increase their profits. As a result, the index of business confidence in industry remained at the level of the previous quarter – 3% (p. 18).

Vedyakov I.I., Konin D.V. A comprehensive approach to ensuring safety of high-rise buildings

This paper considers the special technical conditions, such as working conditions coefficients of the most critical structural elements, reliability material used for steel, the reliability of the load, which along with other conditions are responsible for the safety of high-rise buildings. The issues of peculiarities of metal constructions manufacturing and installation are analyzed as well (p. 21).

Loganina V.I., Kruglova A.N. Evaluation of the measurement devices depending on manufacturer risk

Information about the values of the measurement supporting the given risk manufacturer is provided in this paper. It is shown that for a given risk manufacturer requirements become stricter error when increasing the number of indicators of product quality (p. 26).

Gamzatov T.G., Saidov M.A., Baksaraev A.M., Kapustyan N.K. Antonovskaya G.N. Innovative seismological monitoring system of hydroelectric dams in Dagestan