



MATERIALS

The KINEF company: high quality at an available price

This paper describes the properties and characteristics of product lines manufactured by the KINEF company (p. 9).

New life of the old roof: waterproofing LOGICROOF

The paper gives an analysis of the properties of the innovative fireproof material LOGICROOF NG, and describes the technology of its application (p. 12).

Gagarin V.G., Pastushkov P.P. Change in time of thermal conductivity of gas-filled polymer thermal insulation materials

Article is devoted to the studies description of the change over time of the thermal conductivity of gas-filled polymer thermal insulation materials due to changes in gas composition in the pores (p. 15).

Effective insulation in floors and walls: the insulation panels of polyurethane foam

Article analyzes the physical properties of the insulation boards of polyurethane foam, as well as their competitive advantages (p. 20).

EQUIPMENT

Popov V.G., Popov A.V., Zhigulina T.N., Krotov V.N. Creation of building materials based on waste

Authors made a brief overview of the situation with the creation of building materials abroad and in Russia on the basis of recycled waste. The technology of preparation of building material from waste thermoplastic is developed. Area of perspective application of technology: the device and repair of flat roofs of industrial buildings and structures, as well as the warming of foundations of housing stock (p. 23).

TECHNOLOGIES

Igor Safronov. Temperature and humidity conditions in pitched roofs

Author sure that the choice of constructive solutions of the roof will need to be specific to the materials and to provide measures capable of guaranteeing normal operation of the roof. To take such actions, including, is the roof ventilation (p. 28).

Zagorodnikova M.A., Yartsev V.P. Determination of the static friction coefficient

СОДЕРЖАНИЕ

Новости строительного комплекса 4

МАТЕРИАЛЫ

ООО «КИНЕФ»: высокое качество по доступной цене 9

Новая жизнь старой кровли: гидроизоляция LOGICROOF 12

Гагарин В.Г., Пастушков П.П. Изменение во времени теплопроводности газонаполненных полимерных теплоизоляционных материалов 15

Эффективное утепление пола и стен: теплоизоляционные плиты из ППУ 20

ОБОРУДОВАНИЕ

Попов В.Г., Попов А.В., Жигулина Т.Н., Кротов В.Н. Создание строительных материалов на основе отходов 23

ТЕХНОЛОГИИ

Игорь Сафронов. Температурно-влажностный режим в скатных крышах 28

Загородникова М.А., Ярцев В.П. Определение статического коэффициента трения ПВХ-мембраны в зоне контакта при гидроизоляции железобетонного фундамента 30

Ирина Орлова. Пожарная безопасность спортивных объектов 35

ИНФОРМАЦИЯ

Сергей Гаврилов. «Холодные крыши» заботятся об окружающей среде 40

СОБЫТИЯ

Зеленые крыши: три мнения на одну тему 42

Копылов И.А. Выставка «Металлоконструкции»: итоги и перспективы 44

for PVC-membranes in the contact area when waterproofing of the reinforced concrete foundation

The issues of the various operational factors influence on the friction regularity of polymer materials are considered. To take into account the interaction of the foundation and the waterproofing package from the PVC-membrane, methods for determining the friction coefficient between them are proposed. The obtained values of the coefficient of friction showed a reliable work of the foundation for waterproofing with a PVC-membrane (p. 30).

Irina Orlova. Fire safety of sports facilities

Paper deals with the norms and rules for ensuring fire safety at sports facilities. Examples of newly constructed facilities, such as stadiums «Kazan Arena», «Opening Arena» and the complex «VTB Ice Palace» are given. Also it is told about the experience of reconstruction of the Big Sports Arena in «Luzhniki Stadium» (p. 35).

INFORMATION

Sergey Gavrilov. «Cold roofs» take care of the environment

Article is devoted to the results of long-term tests of the effectiveness of white roofs from various materials that allowed the American Association of Heating, Cooling and Air Conditioning Engineers (ASHRAE) in 1999 to recognize officially the concept of a «cool roof» in ASHRAE 90.1 («Energy Standards for Buildings other than Low-rise apartment buildings») (p. 40).

EVENTS

Green roof: three opinions on the same topic

At the XI all-Russian Roofing Congress, held in Moscow, were discussed, among other issues the construction of green roofs and the potential for their use in the Russian conditions. The editorial quotes the views of some participants of the «green» section (p. 42).

Kopylov I.A. Exhibition «Metal Constructions»: results and prospects

The International Exhibition «Metal Constructions – 2017» was successfully held in Moscow in June. The publishing house «Komposit XXI vek» tells about the exhibitions of some companies participating in the show (p. 44).



IN THIS ISSUE

Construction Industry In Focus..... 4

MATERIALS

The KINEF company: high quality at an available price 9

New life of the old roof: waterproofing LOGICROOF 12

Gagarin V.G., Pastushkov P.P. Change in time of thermal conductivity of gas-filled polymer thermal insulation materials 15

Effective insulation in floors and walls: the insulation panels of polyurethane foam 20

EQUIPMENT

Popov V.G., Popov A.V., Zhigulina T.N., Krotov V.N. Creation of building materials based on waste 23

TECHNOLOGIES

Igor Safronov. Temperature and humidity conditions in pitched roofs 28

Zagorodnikova M.A., Yartsev V.P. Determination of the static friction coefficient for PVC-membranes in the contact area when waterproofing of the reinforced concrete foundation 30

Irina Orlova. Fire safety of sports facilities 35

INFORMATION

Sergey Gavrilov. «Cold roofs» take care of the environment 40

EVENTS

Green roof: three opinions on the same topic 42

Kopylov I.A. Exhibition «Metal Constructions»: results and prospects 44