



## MATERIALS

### **Brandukov V.N. The company KINEF: high technologies, innovative solutions**

In this paper we are talking about the physical and chemical characteristics of waterproofing materials «Isoelast» and «Isoplast-standard», produced by the company «KINEF» (p. 10).

### **Genfinder S.V. Winter construction with O'DONNELL – solid pluses**

Krasnoyarsk plant of low-rise buildings O'DONNELL is engaged in the production and sale of SIP panels, housekits, as well as the construction of houses, cottages, industrial and administrative buildings using the Canadian panel-frame technology (p. 12).

### **Kernik A.G., Gorshkov A.S. The economic efficiency of the frame house walls insulation**

The questions of expediency of warming the external walls of the frame house intended for permanent residence are considered in the article. The calculation of the resistance to heat transfer and the coefficient of heat transfer of the outer walls for different thickness of the insulation is made taking into account the influence of heat-conducting inclusions. Based on the calculations performed, the optimal thickness of the insulation layer is calculated, which corresponds to the minimum payback period of additional investments (p. 15).

## EQUIPMENT

### **Redko Yu.B. Determination of noise protection by wall panels due to additional sound insulation**

Paper is about the results of analysis and systematization of the issues of organizing and conducting measurements of the insulation of air and impact noise with enclosing structures. The requirements of the normative and technical documentation for the measurement procedure and the results processing are considered, and also the results of comparative tests of the interfloor overlappings obtained in accordance with the considered technique are given (p. 22).

## СОДЕРЖАНИЕ

Новости строительного комплекса ..... 5

### МАТЕРИАЛЫ

Брандуков В.Н. ООО «КИНЕФ»: высокие технологии, инновационные решения..... 10

Генфиндер С.В. Зимнее строительство с «О’ДОННЕЛЛ» – сплошные плюсы..... 12

Керник А.Г., Горшков А.С. Экономическая эффективность утепления стен каркасного дома ..... 15

### ОБОРУДОВАНИЕ

Редько Ю.Б. Определение защиты от шума стеновыми панелями за счет дополнительной звукоизоляции ..... 22

### ТЕХНОЛОГИИ

Жуков А.Д., Тер-Закарян К.А., Заяфаров А.В., Петровский Е.С., Тучаев Д.У. Системы изоляции скатных крыш ..... 27

Ирина Орлова. Современные решения для формирования внутреннего водоотведения плоских кровель..... 31

### ИНФОРМАЦИЯ

Самые необычные дома мира ..... 36

### СОБЫТИЯ

РОСИЗОЛ открывает новые перспективы для создания безопасных и комфортных зданий в России ..... 38

Копылов И.А. Компания ИЗОПАН РУС: стратегия холдинга Manni Group на ближайшие 5-10 лет ..... 40

Указатель статей, опубликованных в журнале в 2017 году .... 47

## TECHNOLOGIES

*Zhukov A.D., Ter-Zakaryan K.A., Zayafarov A.V., Petrovsky E.S., Tuchaev D.U.* **Insulation system of pitched roofs**

Article contains a list of features and classification of pitched roofs, as well as the main requirements for pitched roofs; an analysis of the properties of heat-insulating materials used on pitched roofs was carried out. The expediency of using products on the basis of non-crosslinked polyethylene foam in the structures of pitched roofs with a wooden rafter system is substantiated (p. 27).

*Irina Orlova.* **Modern solutions for the formation of internal drainage of flat roofs**

Device of an internal drain for a flat roof is considered in the article. The questions of installation of roofing funnels, forming a slope, selection of thermal insulation are revealed. Recommendations for preventing the most common design and installation errors are given (p. 31).

## INFORMATION

**The most unusual houses in the world**

Notes on the most interesting and untraditional projects of private houses (p. 36).

## EVENTS

**ROSIZOL opens new prospects for building safe and comfortable buildings in Russia**

The Association of Mineral Insulation Producers (ROSIZOL) celebrated its 15th anniversary in a business setting. Representatives of leading industry and federal mass media were presented current trends in the market of mineral wool insulation in Russia, new priorities for the association were announced: increasing fire safety and creating acoustic comfort in buildings (p. 38).

**Kopylov I.A. IZOPAN RUS company: Manni Group Holding strategy for the nearest 5–10 years**

Article introduces the business model and philosophy of the Manni Group holding business, as well as the work of the IZOPAN RUS company – Russian unit of this Italian group (p. 40).

Index of articles published in the journal in 2017 (p. 47)



## I N T H I S I S S U E

Construction Industry in Focus..... 5

## MATERIALS

*Brandukov V.N.* The company KINEF: high technologies, innovative solutions..... 10

*Genfinder S.V.* Winter construction with O'DONNELL – solid pluses ..... 12

*Kernik A.G., Gorshkov A.S.* The economic efficiency of the frame house walls insulation..... 15

## EQUIPMENT

*Redko Yu.B.* Determination of noise protection by wall panels due to additional sound insulation ..... 22

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*Zhukov A.D., Ter-Zakaryan K.A., Zayafarov A.V., Petrovsky E.S., Tuchaev D.U.* Insulation system of pitched roofs..... 27

*Irina Orlova.* Modern solutions for the formation of internal drainage of flat roofs..... 31

## INFORMATION

The most unusual houses in the world ..... 36

## EVENTS

ROSIZOL opens new prospects for building safe and comfortable buildings in Russia ..... 38

*Kopylov I.A.* IZOPAN RUS company: Manni Group Holding strategy for the nearest 5–10 years ..... 40

Index of articles published in the journal in 2017..... 47