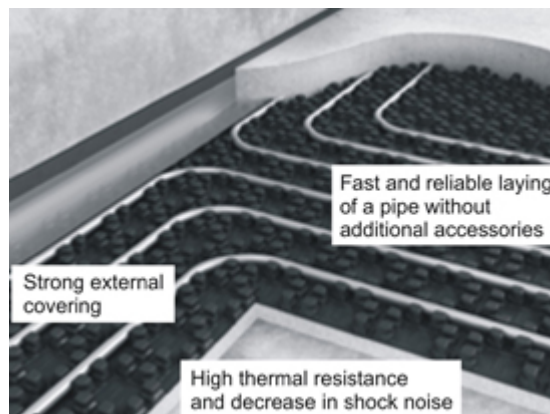


# Plates Energofloor® Pipelock

## Description



Plates Energofloor® Pipelock - is a system of an insulation ready to application for floor heating systems with high thermal resistance. Fast and reliable connection of plates with overlapping allows to create in a short space of time a complete warm and noise isolation layer. It is possible to establish pipes on a straight line and on a diagonal without application of additional accessories. Clamps hold a pipe and prevent its emersion during filling by a cement coupler. Expanded polystyrene application in thickness of 30 mm as a insulation layer reduces shock noise. Results of tests showed, that these materials provide effective protection against shock noise and correspond to the highest requirements of sound insulation in residential buildings according to Construction Norms and Regulations 23-03-2003 «Protection against noise».



The material is recommended to be applied in the floor heating systems; systems used as the main systems of heating.



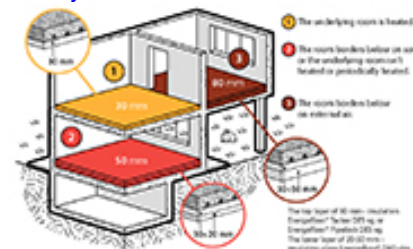
The economic form of release in the form of plates considerably reduces the price of logistics of transportations and warehousing.



- Strong connection of insulating plates.
- Fast and reliable fixing of pipes in any directions without additional accessories.



### Necessary thickness of insulation



## Specifications



### Specifications

Feature	Value	Method
Maximum service temperature, °C	+70	TU 5768-016-59705109-2012
Thermal resistance, $R_{25} M^2 \cdot K/W$	20/1,1-0,7 DES-sg	
	30/1,1-0,7 DES-sg	
	0,5	
Compression strength at 10% linear deformation, MPa, not less	0,08	GOST 15588-2014
Water absorption on volume at full immersion during 24 hours, %, no more, than	3,0	GOST 17177
Printing step, mm	50	TU 5768-016-59705109-2012
Diameter of fixed pipes, mm	14-16	TU 5768-016-59705109-2012
Relief height for pipes fixing, mm	17	TU 5768-016-59705109-2012
Index of improvement of shock noise isolation with a floating coupler $\Delta L_{nw}$ , дБ	28	GOST 27296-87 and ISO-140-6

## Range



### Range

Item	Article	Thickness of insulation layer	Width of insulation	Length of insulation	Quantity per package
Plate Energofloor® Pipelock 20/0,7-1,1 DES-sg	EFRP200/71/1PLK	20 mm	0,7 m	1,1 m	13 pcs.
Plate Energofloor® Pipelock 30/0,7-1,1 DES-sg	EFRP300/71/1PLK	30 mm	0,7 m	1,1 m	10 pcs.

## Packaging



### Packed in cardboard boxes with dimensions of 788 x 1173 x 399 mm.

Standart size	Thickness, mm	Width, m	Lenght, m	Quantity per package, pcs.	Gross weight, kg	Package volume, m <sup>3</sup>
Plate Energofloor® Pipelock 20/0,7-1,1 DES-sg	20	0,7	1,1	13	19,42	0,369
Plate Energofloor® Pipelock 30/0,7-1,1 DES-sg	30	0,7	1,1	10	15,52	0,369

## Accessories



### Montage knife



A montage knife with a specific sharpening is intended for the insulation cutting. The knife has a special form and dimensions allowing to simplify the work of a professional fitter as much as possible.

Артикул

**Blade length:**

270 mm

EFXKNIFE

## Damper tape Energofloor®



Damper tape Energofloor® is intended for the compensation of thermal expansion of a cement underlayment in floor heating systems. A polyethylene film serves for the prevention of liquid cement solution flowing under the lower edge of the tape.

Article

**Thickness:** 10 mm

**Width:** 0,1 m EFRL1010011DM

0,15 m EFRL1015011DM

**Length:** 11 m

**Note:**

- if the area of the concrete underlayment is less than 10 m<sup>2</sup>, a damper tape shall be installed along the perimeter;  
- if the area of the concrete underlayment is more than 10 m<sup>2</sup>, it is recommended to provide for the compensation joint devices.