

Stropoterm

Mineral rock wool panels for acoustic and thermal insulation of floating floor



$$\lambda_D = 0,040 \text{ W/mK}$$

CLASSIFICATION

Standard: PN-EN 13162:2013-05 (IDT. EN 13162:2012)
 Product code for the thickness of:
 30 mm MW-EN13162-DS(70,90)-T4-CS(10/40)-WS-WL(P)-CP2-MU1-AFr5
 40-80 mm MW-EN13162-T7-DS(70,90)-CS(10/50)-WS-WL(P)-CP2-MU1-AFr5
 Hygienic certification of the National Institute of Hygiene: HK/B/1609/02/2010
 Declaration of usage properties: www.isover.pl/DoP



TECHNICAL PARAMETERS

Parameter	Unit	Value	Standard
Declared thermal conductivity index λ_D	W/mK	0,040	PN-EN 13162
Reaction to fire class	-	A1	PN-EN 13501-1
Water vapour diffusion resistance factor – MU	-	1	PN-EN 12086
Declared level of compressive stress with 10% deformation CS(10)	kPa	40 for thickness 30 mm 50 for thickness 40-80 mm	EN 826
Compressibility (c=dL-dB) CP2, maximum operational load on the underlay 5 kPa, with maximum deflexion of 2mm (tolerance + 1mm)	mm	≤2	PN-EN 12431
Dimensional stability in specific conditions of temperature and moisture DS (70,90)	%	≤1	EN 12087
The value of characteristic load under own weight	kN/m ³	1,50	PN-EN 1991-1-1 PN-EN 1990
Declared air flow resistivity level - AFr	kPas/m ³	≥5	PN-EN 29053
Thickness tolerance class	-	T4 for thickness 30 mm T7 for thickness 40-80 mm	PN-EN 13162
Water absorbability for short-term immersion – WS	kg/m ²	≤1	EN 1609
Water absorbability for long-term partial immersion – WL (P)	kg/m ²	≤3	EN 12087

STROPOTERM

Mineral stone wool mat – Dimensions and packaging

Thickness [mm]	Pack area [m ²]	Dimensions [mm]	Number of packages on pallet	Pallet Area [m ²]	R _D [m ² K/W]
30	4,32	1200/600	24	103,68	0,75
40	2,88	1200/600	24	69,12	1,00
50	2,16	1200/600	28	60,48	1,25
60	2,16	1200/600	24	51,84	1,50
80	1,44	1200/600	24	34,56	2,00

1. The product is available solely in batch packages – pallets

As an insulating part of construction, this product meets the expectations of LEED and BREEAM certificates.

APPLICATION

Stropoterm mineral rock wool panels are designated for acoustic and thermal insulation of floating floor of light, heavy and dry types.

ASSEMBLY GUIDELINES

In order to obtain a stable and even surface underneath floating flooring, before placement of the Stropoterm panels, all the rough places must be evened. The assembly of Stropoterm panels consists in their correct cutting and then their placement in a “passing loop” manner so that one panel should be matched with another. No empty spaces can be left in the insulation layer. After the entire surface of the ceiling is filled with the Stropoterm panels, it must be protected with a division layer – a tight construction foil or any other recommended material protecting the insulation layer against the transfer into the top layer/screed or mixing water. The division layer is then flanged onto the walls above the planned floating flooring. The layers of the floating flooring must be dilated away from the construction elements (walls, posts) and installations (central heating).

PRODUCT CHARACTERISTICS

Stropoterm insulation panels are produced from mineral rock wool. The panels are hydrophobic, resistant to rodents and wood pests. Stropoterm is a product with perfect acoustic insulation properties with regards to the absorption of impact sounds; it also provides good air and heat insulation. Low CP2 compressibility and the highest thickness tolerance class among mineral wools – T7 (at the same time the most stringent for insulation materials used for floorings) allows for its safe use under thin-layer screeds – no cracks and lower costs.

STORAGE

ISOVER Stropoterm mineral wool, for transport and storage, must be protected against unfavourable weather conditions, mostly against water.

PRODUCER:

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