



Reflective  
building foils

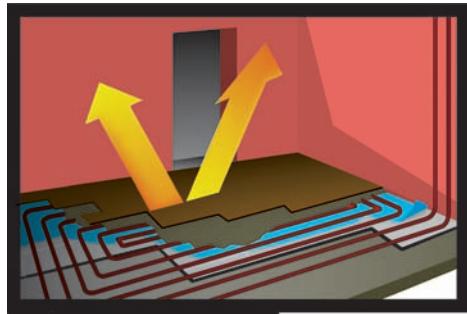


## Reflexive Foil under Floor Heating SUNFLEX FLOOR

For increased efficiency of floor heating

In the case of floor heating the heat is conducted not only towards the heated space but also in the opposite direction into the floor. The floor foil Sunflex Floor for floor heating reduces heating of the space under the hot water pipeline and reflects the heat rays back to the residential space. The foil also improves crosswise heat conducting upwards and to the sides, thus allowing for uniform floor temperature. The bends in the corners between the floor and the walls may be used as expansion inserts. Sunflex Floor foil may also be used for the insulation of water and heat pipelines or ventilation and air conditioning technology insulation.

Application of Sunflex Floor foil will increase efficiency of floor heating by up to 8% and reduce loss in the floor by up to 18%.



| Sunflex Floor



### Properties

- Reduces thermal loss and increases efficiency of heating
- Serves as separation foil
- Resistant to chemicals
- Reduces impact sound transmission by 18 dB
- Expansion between the wall and the concrete plaster

### Assembly

Undercoat the Sunflex Floor base foil for floor heating with the reflexive side down on the polystyrene base between the reflexive layer and the heating pipeline. Thus create an air gap supporting the reflexive effects. The foil is easy to cut with shears to the required size. The foil is also used as a separation barrier against leak of the concrete layer between the insulation and creation of thermal bridges.

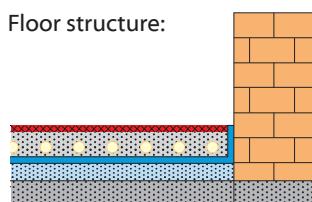


### SUNFLEX Floor

Layer composition:

- Polyester
- Aluminium
- Polyethylene
- Bubble PE film

Floor structure:



### Technical Data

Fire response	EN 13501-1	F
Roll size	EN 822	1,2 × 41,7 m
Thickness	EN 823	3,55 mm
Planar weight	EN 1849-2	145 g/m <sup>2</sup>
Vapour permeability	EN 1931	$s_0 = 328 \text{ m}$
Absorbing capacity (24 hrs/28 days)	EN 12087	0,7/2,4 %
Size stability	EN 1604	± 2 %
Dynamic compactness	ISO 9052-1	55,7 MN/ m <sup>3</sup>

MANUFACTURER:



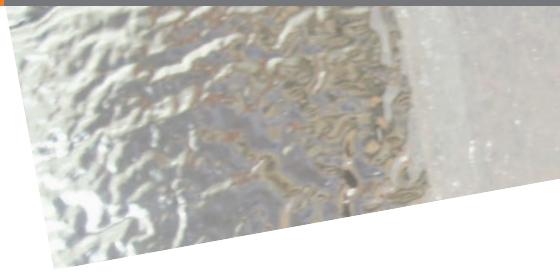
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[www.sunflex.cz](http://www.sunflex.cz)

Cheap saving of expensive energy



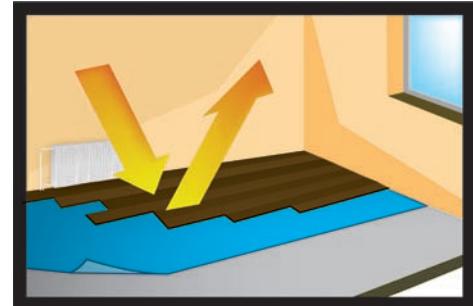
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## Reflexive Foil under Floating and Wooden Floors

### SUNFLEX FOAM

The foam polystyrene foil is an excellent solution for levelling uneven base surfaces in the case of floating floors, boards or strips of hard wood. The reflexive layer reflects the heat back to the heated space and significantly reduces thermal loss through the floor. The reflexive properties of the foil may also be utilised when placing the foil behind the heating radiators.



| Sunflex Foam

### Properties

- Reduces impact sound transmission by 17 dB
- Prevent thermal loss through the floor
- Safety hydro-insulation foil (joints must be glued)
- Levels uneven floor
- Resistant to mildew and chemicals

### Assembly

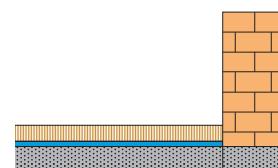
Undercoat the Sunflex Foam base foil over the concrete base with the reflexive side up. The foil is easy to cut with shears or knife. Increased resistance to humidity may be achieved by gluing the joints with adhesive tape.

Very good thermal insulation properties may be achieved by placing the foil under wooden board floor. In this case the foil is placed under the assembly grid with the reflexive side up for an air gap to be left between the foil and the floor. This significantly increases thermal insulation properties of the floor.

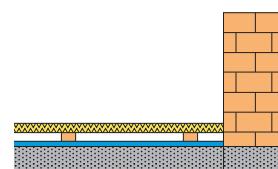
### SUNFLEX Foam

Layer composition:

- Polyester
- Aluminium
- Polyethylene
- Polyethylene foam



Use for floating floors



Use for wooden board floors

### Technical Data

Fire response	EN 13501-1	F
Roll size	EN 822	1,2 × 41,7 m (50 m <sup>2</sup> ) 15
Thickness	EN 823	3 mm 0,1 mm
Planar weight	EN 1849-2	100 g/m <sup>2</sup>
Size stability	EN 1604	Max. 2 %
Vapour permeability	EN 1931	s <sub>d</sub> = 73 m
Impact sound transmission loss	EN ISO 140-8	17 dB 117-2
Absorbing capacity	EN 12087	Max. 7 %

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