Catflow HEALTHIER WAY TO HEAT

NAOS EUROPE carbon-fiber technologies



NAOS EUROPE, s.r.o. – headquarters Priemyselná 4, 040 01 Košice, Slovak republic

www.naoseurope.eu

info@naoseurope.eu

Your distributor:

3,31

39,74

92,02

1 104,24



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Heat of the Future

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 * calculation for two identical houses of 110 m² (the calculations have been performed using the average goods and energy prices in Slovak Republic)

Total yearly

95,33

1 143,98

Total monthly

Total yearly





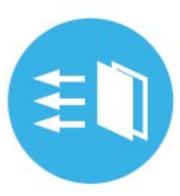
Extremely thin technology, only 0.5mm thick



Healthy heat



Provable antibacterial effect



Air quality improvement



No undesirable electromagnetic radiation



Wide range of usage



Significant energy savings



Affordable price



Quick installation and dismounting



Service life of more than 30 years



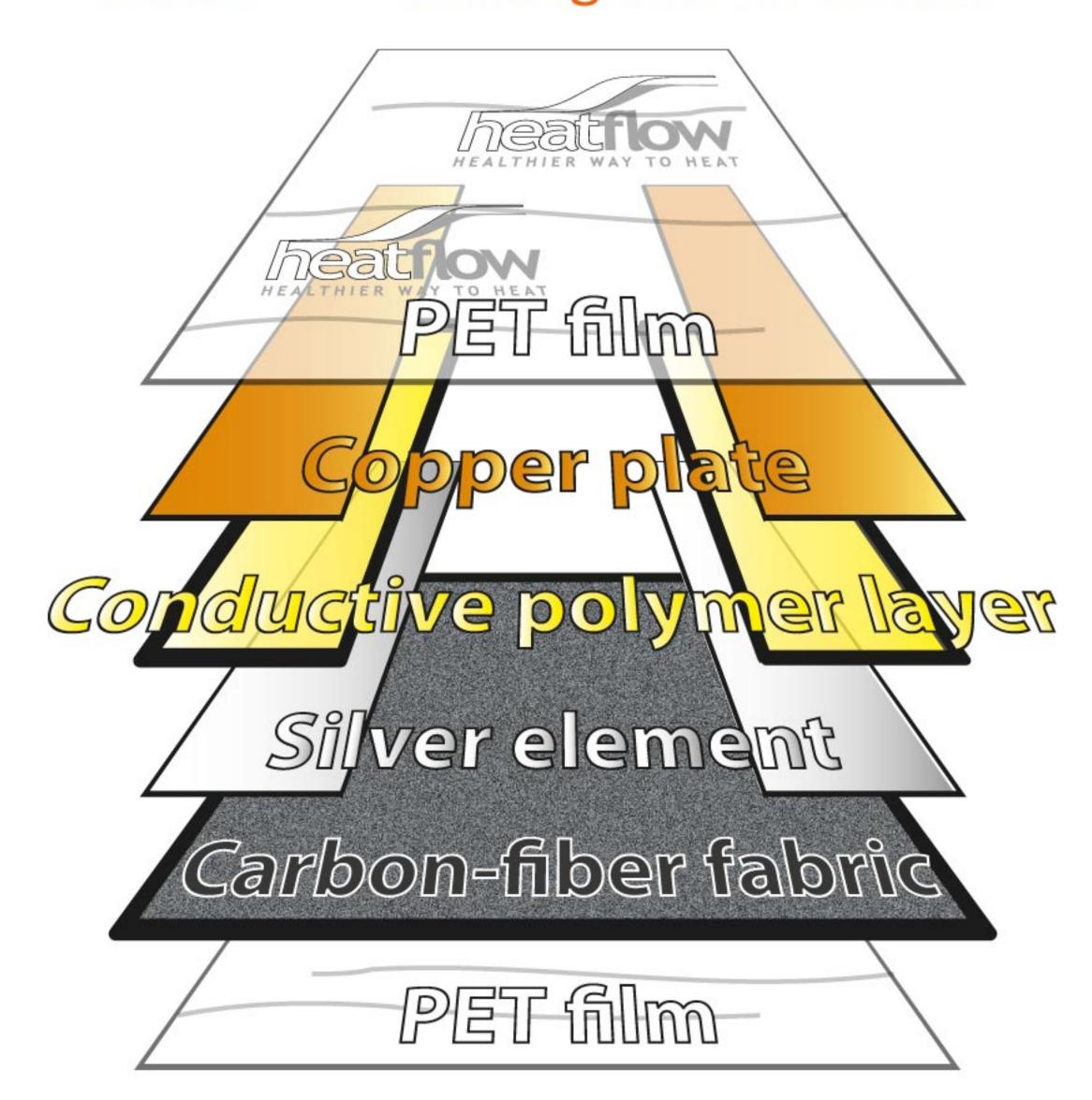
Quick warming-up of the heating film



10 years warranty



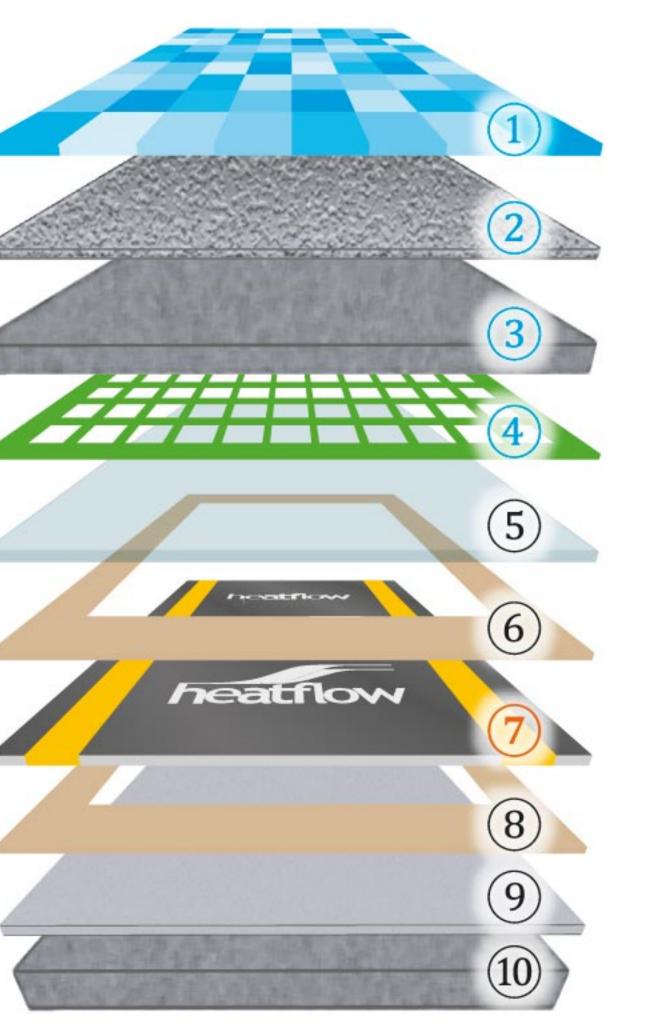
heatflow heating film structure

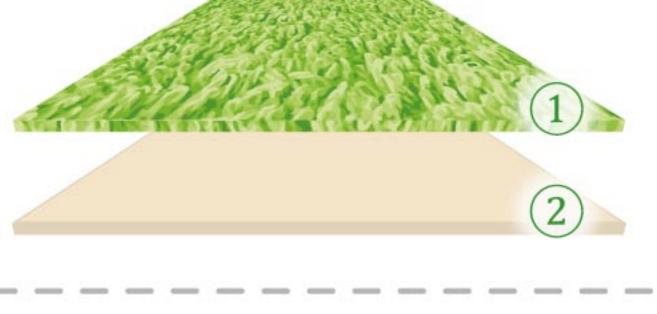


heatflow heating film installation options

- Ceramic tiles
- 2. Adhesive mortar (glue)
- 3. Screed, cement layer
- 4. Reinforcing mesh
- 5. PVC foil
- 6. Insulation tape
- 7. heatflow
- 8. Insulation tape
- 9. Insulation (styrodur)
- 10. Floor (concrete)

- Carpet (linoleum)
- Protecting heating board (Magnesium plate)
- 3. Floating floor (parquet)
- 4. PVC foil
- Insulation tape
- 6. heatflow
- 7. Insulation tape
- 8. Insulation (styrodur)
- 9. Floor (concrete)







Advantages of heatflow infrared heating film

Water heating	Cable systems		HEATFLOW	Advantages of our technology
Requirement for a cement layer	Requirement for a cement layer	Process of laying	Process of laying	Cost-effective installation
10 cm or more	More than 2 cm	Foundation layer thickness	No foundation layer thickening	Corresponds to the room height
Additional space for heating source installation required	Lowers the room height when using cement covering	Increase of utility area	No additional space required	Keeps the original room characteristics
Floors and walls	Floors and walls	Layout options	No limitation	Installation suitable for various architectural projects
High, depends on boiler modification	High, from 150 W/m ²	Energy consumption	Low, 10 to 270 W/m ² according to the circuit type (series, parallel)	Energy efficiency
No operation when damaged	No operation when damaged	Operational capability	Operational even when damaged	Stability even when parts of the system are damaged
Limited to 10 years	Up to 15 years	Service life	Long, more than 30 years	Long service life
After drying up the foundation layer, 14 – 20 days	After drying up the foundation layer, 14 – 20 days	Operation	Immediately after installation	Quick installation and commissioning
Slow, requires preheating: 30 – 60 minutes	Slow, 15 – 20 minutes	System warming up speed	Quick, 5 minutes!	Quick warming up - feeling of heat and comfort
No	No	Room ionization, saturation of air with oxygen ions	Yes, air ionization takes place during heating process	Improves immunity and heart function, decreases stress and nerve strain
No	No	Antibacterial effect	Yes, 72.6 % effect	Kills bacteria and fungi, makes living space healthier
No	No	Removal of unpleasant odors	Yes, 81.0 % effect	Healthy microclimate
Local heating effect	Impact of adverse effect	Impact on human organism	Healthy heat source	Beneficial effect on whole organism