



NAMIWELL
HEALTHY AND ECONOMICAL HEATING




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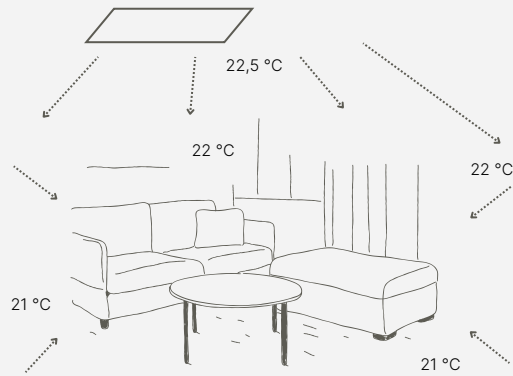
ABOUT

- We are a Czech company
- In 2023, we teamed up with Namitech, an innovator in energy and heating technology
- We have implemented patented DALYN Technology™ in our heating panels
- Our distribution network covers many European countries
- We cover the whole product lifecycle from development through production, from sales through delivery and service
- We invest in new technologies
- We provide professional consulting
- Our focus and passion are infrared heating panels for home and industrial usage

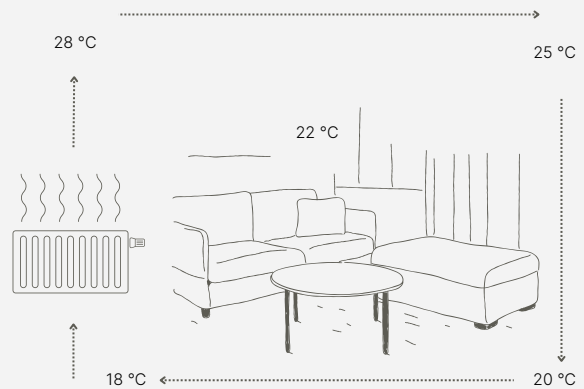


RADIANT HEAT FROM THE HEATING PANEL

Radiant heating



Convection heating



- Heat is transferred directly to the surface of the surrounding walls, ceilings, and floors
- Heated surfaces radiate the heat back into the room and create thermal comfort even at lower temperatures
- The temperature in the room is evenly distributed between the floor and the ceiling
- The walls are warmer than the air, therefore they remain dry
- The bricks in the walls are being dried, which increases their thermal resistance, and at the same time, extends their lifespan
- Natural humidity is preserved because the air in the room is not dried out
- The dustiness is reduced thanks to minimum air circulation
- Minimum heat losses during air ventilation, since most of the energy is accumulated in the matter in the room and not in the air that is being exchanged
- Easy installation of heating panels along with electrical infrastructure

- Traditional radiators heat the air in the room, the warm air rises to the ceiling, cools and descends to the floor
- Due to the way the hot air circulates, the temperature in the room is uneven, the floor is cold and the ceiling is overheated
- Heated air dries out the room and humidity condenses on colder surfaces of the room - the walls
- Brickwork gradually absorbs moisture and its thermal resistance is reduced, raising the potential for humidity condensation and growth of mold
- Dust and allergens are circulated by the airflow in the room
- When a room is ventilated, warm air escapes and cold air enters the room, resulting in significant heat losses
- Traditional systems are more complex and time-consuming to instal

WHY CHOOSE OUR HEATING PANELS?

- Our IR panel heating is a more efficient alternative to gas heating or heat pumps
- The panels dry, sanitize, and increase thermal resistance
- This technology has a positive impact on people's health
- Thanks to DALYN Technology™, we reach target temperatures faster and reduce energy losses
- Significant cost savings per heated 1m³ compared to traditional heating systems
- The unique design of the product complements your home stylishly
- Industrial applications save electricity in production halls, exhibition halls, churches, etc.
- Our thin design saves space and energy
- We reduce your carbon footprint
- Quick and easy to install
- 5-year warranty period
- Our systems have a lifespan of 30 years or more



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Health and Safety

Energy Savings

Sustainability

Design

Comfort

Heating with us

HEALTH & SAFETY

- Our infrared heating panels convert electricity into electromagnetic radiant heat with the same wavelength as our bodies absorb from the Sun.
- Infrared radiant heat pervades deep under the skin and triggers many health-promoting processes in the body.
- Dust and allergens are not circulated due to reduced air circulation.
- Even distribution of heat in the room prevents condensation of water vapor and the walls are dried out, which prevents the growth of mold and saltpeter.
- The distance between the heating panel and people in the room is sufficient for the electromagnetic radiation to be negligible (especially compared to under floor electric heating).
- We use high-quality safety-glass and thermal fuses to avoid any unwanted accidents and keep your place safe.

ENERGY & COSTS SAVING

- There is no need for high-cost utilities such as gas distribution or heat network.
- Operational costs are 20-60% lower compared to other methods of heating.
- With DALYN Technology™, we achieve additional savings and more economical output than that of a well-designed heat pump.
- Ideal price / performance ratio, together with substantial savings during decades of operation create a very efficient heating system.
- Operation of the panels is service-free, there is no need for special inspections, demanding cleaning, or replacement of parts.
- The walls of a building are directly heated with radiant heat and thus dried out, keeping the building dry and clean and extending the buildings lifespan by reducing the need for repairs.

SUSTAINABILITY

- Electricity is the only input into our heating system and when complemented by renewable power sources, it increases sustainability of your heating system.
- Does not produce CO₂ emissions and thus helps to reduce your carbon footprint.
- Thanks to solid and elegant construction, high-quality materials, and a heating element made out of a precious metal printed directly on the surface, our heating panels have a lifespan of more than 30 years.
- Radiant heat in the room heats and dries buildings out, rehabilitating them and prolonging their lifespans.

DESIGN

- The usage of glass and frameless slim construction results in a minimalist and timeless design, making our panels a luxury home accessory.
- The front safety-glass can be colored in any RAL color. Our standard colors are white or black and we offer an elegant mirrored version as well. Our panels will complement your interior design beautifully.
- Our panels can be built into the ceiling for a stylish and minimalist look.
- Our panels can also be equipped with peripheral light.

COMFORT

- Installation is quick and easy because the only requirement for infrastructure is electricity.
- The thermostat controller enables you to simply and precisely regulate temperature in each room separately.
- Our panels can be equipped with a Wi-Fi module that enables you to control them from your smartphone in our web application.
- You can also connect the panels to your smart home system.
- The even distribution of heat from head to toe will keep you warm and comfy.
- DALYN Technology™ provides unprecedented speed of heating and enhances the performance of our panels so that you can heat up your home quickly.



OUR OFFER

- Consultation in “smart heating”, including professional calculation and design of heating elements for individual rooms
- Application of patented DALYN Technology™ for more economical and dynamic heating
- Preparation of technical documentation
- Sales and distribution
- Installation
- After-sales service

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SPECIFICATIONS

- Calorific value calculations are indicative only. When designing a particular heating system, the specific conditions of the building are taken into account
- The operating temperature of the panel is 100-130 °C, after reaching the operating temperature, the power consumption is reduced by 10%
- For the mirror panel design, the panel weight may be slightly higher




Type	Input Power
NW 1	335 W
NW 2	415 W
NW 2S	415 W
NW 3	1 000 W
NW 4	1 330 W
NW 5	1 660 W
NW 6	2 000 W

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Dimensions	36 x 64 cm	59 x 59 cm	32 x 114 cm	64 x 95 cm	64 x 125 cm	64 x 155 cm	64 x 185 cm
Weight	4,5 kg	8,5 kg	8,5 kg	13 kg	17 kg	21,5 kg	25,5 kg

- Placement:** ceiling or wall
- No. of brackets:** 4 - 6
- Thickness:** 2,8 cm
(5,4 cm incl. electronics)
- Supply voltage:** 400 V / 50 Hz or
230 V / 50 Hz
- Protection:** IP43
- Guarantee:** 5 years
- Colors:**
 -  white glass
 -  black glass
 -  mirror
 -  other RAL colors

Heated room volume per 1 heating panel	NW 1	NW 2	NW 3	NW 4	NW 5	NW 6
	34 x 64 cm	59 x 59 cm	64 x 95 cm	64 x 124 cm	64 x 155 cm	64 x 184 cm
Passive buildings	42,0 m ³	52,0 m ³	125,0 m ³	167,0 m ³	208,0 m ³	250,0 m ³
Low-energy buildings	28,0 m ³	35,0 m ³	83,0 m ³	111,0 m ³	139,0 m ³	167,0 m ³
Well-insulated buildings	17,0 m ³	21,0 m ³	50,0 m ³	67,0 m ³	83,0 m ³	100,0 m ³
Poorly-insulated buildings	12,0 m ³	15,0 m ³	36,0 m ³	48,0 m ³	60,0 m ³	71,0 m ³

CASE STUDY

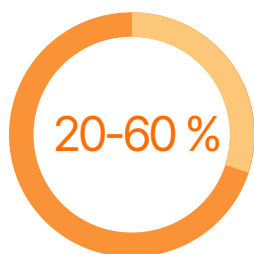
Heating costs comparison

Model calculation - assumptions

- heated area = 120 m²
- gas price = 2,56 CZK / kW / kWh
- electricity price = 5,22 CZK / kWh
- considered period = 10 years

We compare:

- gas condensing boiler
- electric under floor heating (cable, film)
- heat pump (HF 2,5 at -10°C)
- Our IR heating panels with DALYN Technology™



Operational savings
compared to other heating systems

Overview of selected heating systems operational costs

	annual consumption (kWh / m ²)	10-year consumption (EUR)	10-year maintenance and service (EUR)	10-year operational costs (EUR)
gas condensing boiler	129	16 217,-	2 755,-	18 972,-
electric under floor heating	71	18 060,-	0,-	18 060,-
heat pump	36	9 185,-	6 755,-	15 940,-
Namiwell IR heating panel with DALYN Technology™	48	12 282,-	0,-	12 282,-

The cost of purchase of heating systems has not been taken into account. We are focused on operational costs. If we consider the total cost including acquisition, installation, operation, maintenance, and service, our heating panels have an even better price/performance ratio.

INTRODUCTION

DALYN TECHNOLOGY™



Decreasing energy losses
with higher efficiency
and enhanced dynamics of
heating



DECREASING ENERGY LOSSES WITH HIGHER EFFICIENCY AND ENHANCED DYNAMICS OF HEATING

DALYN Technology™ works as an electrical converter, modulating voltage and current flow through heating elements. It thus increases the heating output and overall dynamics of the heating process, **reducing energy losses by affecting the conduction, convection, and radiation of heat.**

DALYN Technology™ is best applied to systems where there are significant heat losses. In such cases, DALYN contributes to the optimization of the heating the most.

We achieve energy and cost savings by **making the heating process more efficient and consuming less electricity.** The result is energy savings, meaning financial savings as well. An additional advantage of DALYN Technology™ is a **significant reduction in the time required to reach the target temperature.** This generates savings because time is money.

DALYN Technology™ is being used in **over 1,800 installations** (such as infrared heating panels, saunas, bakeries, electric boilers, rubber vulcanization, fryers).

The technology is patented and has been **tested by independent authorities** such as TÜV-SÜD and ČEZ ESCO. In lab real-life simulations and in a number of real applications, **DALYN Technology™ helps to save an average of 30% of electricity.**



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