



ETHERMA^o

EFFICIENT. ELECTRIC. HEATING.

RENOVATION MADE EASY

WITH MODERN ETHERMA HEATING SYSTEMS

Warm your
HOME.
Not the earth.



Renovate with ETHERMA. Redefining comfort.

No more oil and gas? It's as simple as that.

In times like these, many people opt for a new heating system so that they are no longer dependent on oil or gas, for example. But every refurbishment brings with it the challenge of getting the best out of the existing building fabric and any structural specifications. ETHERMA is the perfect partner for this. With our easy-to-install and maintenance-free electric heating systems, small and large renovations are almost child's play, even in multi-party buildings. Electric heating systems are also explicitly mentioned in the German Building Energy Act (GEG) as a compliance option.



Economical: targeted heating, loss-free heat emission



Individual designs according to customer requirements



Fast, cozy heat at the touch of a button



Power connection instead of complex piping



Made in Austria

The future of heating is **all electric.**



Completely maintenance-free



No technical room or fuel supply required



Easy installation

Efficient. Electric. Heating.

The name ETHERMA stands for unrestricted design options for refurbishment. From our extremely thin electric underfloor heating systems to the LAVA® infrared panels in various sizes and designs to FIRE+ICE, the innovative air-to-air heat innovative air-to-air heat pump with cooling option: we offer a wide range of options for fast, comfortable heat in all rooms. And cleverly combined with electricity from solar, hydro or wind power, ETHERMA's electric heating systems help to reduce CO₂ emissions.

Warm up to many advantages.

ETHERMA, based in Henndorf am Wallersee (Salzburg), is one of the first providers of electric underfloor and infrared heating panels. The many advantages of our heating systems are obvious.

Soothing WARMTH. Just as you like.

Underfloor heating

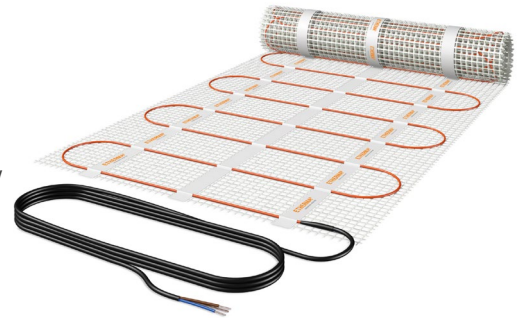
Nobody has to live without an underfloor heating.

If you didn't have underfloor heating before, you can fulfill this dream in the course of a renovation easily and cost-effectively during a renovation. With a maximum mat thickness of 4 mm, ETHERMA's electric underfloor heating systems can also be retrofitted very easily under any floor covering.

This does not require any time-consuming demolition work and our underfloor heating systems are also possible where there is no pipework in the screed. Precise individual room control also saves on running operating costs.

Advantages of ETHERMA underfloor heating:

- > Up to 50 % lower investment costs than with water-based underfloor heating systems
- > Simple, quick installation thanks to low installation height (max. 4 mm)
- > For any floor covering: tiles, laminate, parquet, stone and much more
- > Customized on request
- > Operating cost benefits thanks to targeted individual room control
- > Over 25 years service life, without any maintenance



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LAVA[®] infrared heating panels

More than just hot air - cozy warmth with infrared.

Real infrared heating panels do not heat the air (convection), but people and objects in the room. These absorb the heat and emit it evenly. This creates a pleasant comfort. Without circulating air currents and without stirring up dust - ideal for allergy sufferers.

Installation is inexpensive, quick and mess-free. All you need is a power connection. Infrared heating panels from ETHERMA are also extremely durable, absolutely maintenance-free and without heat loss.

Advantages of ETHERMA infrared heating panels:

- > Up to 50 % lower investment costs than with conventional heaters
- > Easy to install on the wall or ceiling
- > Heat can be felt immediately (< 10 min)
- > Pleasant room climate thanks to infrared heat
- > Safe against breakage and overheating
- > Durable and maintenance-free



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FIRE+ICE Air-to-air heat pump with cooling option

Minimalist design. Maximum efficiency.

The FIRE+ICE is an innovative monobloc air source heat pump that does not require an outdoor unit. It is perfect for rooms up to 35 m², such as living rooms or bedrooms. The FIRE+ICE can be installed quickly and easily on the inside of external walls without the need for a refrigeration engineer.

Advantages of FIRE+ICE:

- > Monobloc air source heat pump without outdoor unit (COP at 7 °C: 3.28)
- > For rooms up to 35 m²
- > Heating and air conditioning unit in one
- > Ideal decentralized heating solution for apartments and apartment buildings
- > Optimal replacement for night storage heaters
- > Easy installation without a refrigeration engineer

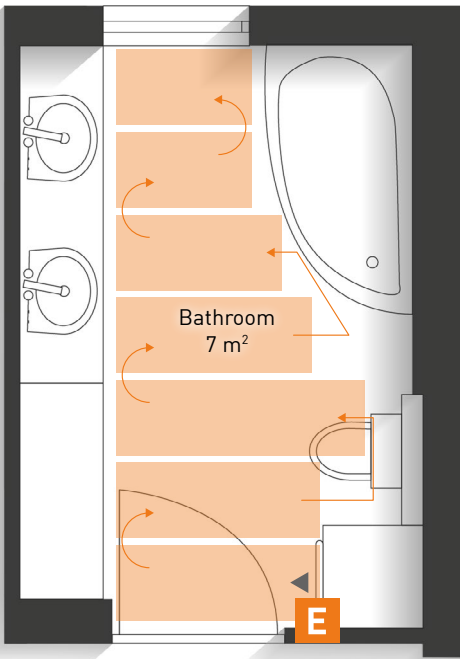


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RENOVATING

with ETHERMA can be that easy.

Turn your **bathroom** into a **feel-good oasis**.
With underfloor heating or an infrared panel.



Renovation example **underfloor heating** bathroom, 7 m²

One-off investment costs for underfloor heating

Bathroom	Costs DE Incl. 19 % VAT	Costs AT Incl. 20 % VAT
Underfloor heating under tiles	441 €	445 €
Thermostat	173 €	174 €
Total investment costs	614 €	619 €

Annual consumption and operating costs underfloor heating

0,56 kW

Installed power

187 €

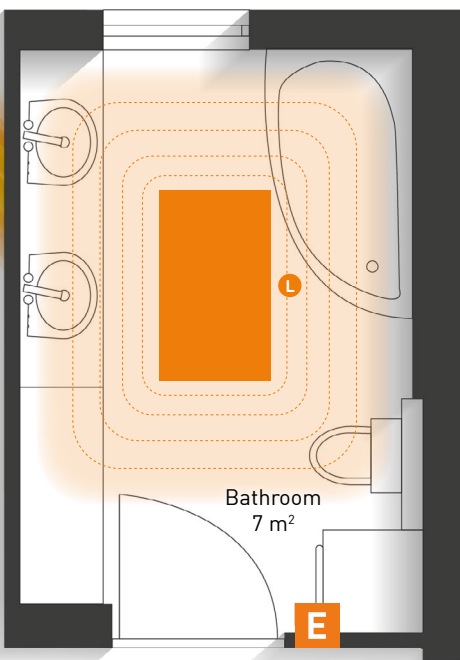
Average operating costs
per year incl. 19 % VAT (DE)**

504 kWh

Energy consumption per year*

141 €

Average operating costs
per year incl. 20 % VAT (AT)**



Renovation example **ceiling infrared panel** bathroom, 7 m²

One-off investment costs ceiling infrared panel

Bathroom	Costs DE Incl. 19 % VAT	Costs AT Incl. 20 % VAT
Ceiling infrared heating panel	787 €	793 €
Thermostat	173 €	174 €
Total investment costs	960 €	967 €

Annual consumption and operating costs ceiling infrared panel

0,75 kW

Installed power

208 €

Average operating costs
per year incl. 19 % VAT (DE)**

563 kWh

Energy consumption per year*

158 €

Average operating costs
per year incl. 20 % VAT(AT)**

The following parameters were used as a basis:

Compliance with standard temperatures:
Living rooms: 20 °C Corridors: 15 °C
Bedrooms: 18 °C Heated side rooms: 15 °C
Baths: 24 °C

Electricity prices as at 13.03.2024, incl. VAT
DE: 37 ct/kWh [average price, Verivox consumer price index]
AT: 28 ct/kWh (E-Control)

Turning old into new. Efficient heating in the apartment.

- Underfloor heating mats
- Start heating mats
- Folding direction
- Thermostat
- LAVA® infrared heating panel
- Radiant heat range ceiling panel



Renovation example apartment, 55 m²

Annual consumption and operating costs

5,55 kW

Installed power

4.028 kWh

Energy consumption per year*

1.491 €

Average operating costs per year
incl. 19 % VAT (DE)**

1.128 €

Average operating costs per year
incl. 20 % VAT (AT)**

One-off investment costs ETHERMA devices

Rooms	Costs DE Incl. 19 % VAT	Costs AT Incl. 20 % VAT
Corridor (3 m²)		
Underfloor heating under tiles	343 €	346 €
Kitchen (5 m²)		
Underfloor heating under tiles	343 €	346 €
Thermostat	173 €	174 €
Bathroom (7 m²)		
Underfloor heating under tiles	441 €	445 €
Thermostat	173 €	174 €
Infrared heater with towel rail	709 €	715 €
Living room (25 m²)		
Underfloor heating under laminate or parquet	2.061 €	2.078 €
Thermostat	173 €	174 €
Bedroom (15 m²)		
Underfloor heating under laminate or parquet	1.355 €	1.366 €
Thermostat	173 €	174 €
Total investment costs	5.944 €	5.992 €

Information without guarantee, the calculation refers exclusively to the electricity prices listed on the left. The above information refers to the average values published by the Central Institute for Meteorology and Geodynamics with regard to temperature and precipitation for the 5-year series. They should therefore naturally not be regarded as absolute consumption values, as they can change upwards and downwards depending on the weather: upwards and downwards due to weather conditions. All prices incl. VAT (DE or AT).

* Calculated from the multiple of installed power and full load hours.

** Calculated from the multiple of energy consumption and energy price per kWh.

What enthusiastic **CUSTOMERS** say about ETHERMA.

Family Schinnerl, Austria

This house was raised by one storey floor. As screed was not possible due to the structural design, ETHERMA mesh heating mats were the best option. Mats with a low voltage of 24 V were used in the bathroom. They even provide cozy warmth in the barrier-free shower and on the step of the bathtub entrance.

„ETHERMA has exceeded our expectations. The new heating system delivers what it promises. Especially in terms of low operating costs. A convenient system with no maintenance costs or annual service.“



Mag. Marietta Kiesling, Vienna

During the renovation of the „Salon Mignon“, an old apartment in the 18th district, the radiators and gas boiler were replaced by efficient electric underfloor heating from ETHERMA. The choice fell on a mesh heating mat for the parquet floor, but also for the bathroom and WC. It is only 2.7 mm high and can be trowelled into the flexible adhesive. Around 50 m² of heating mats were laid over the entire surface.

„The heating is particularly responsive due to the fact that it is laid close to the surface. A highly convenient and cost-effective solution for all rooms, especially in an old apartment.“



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