

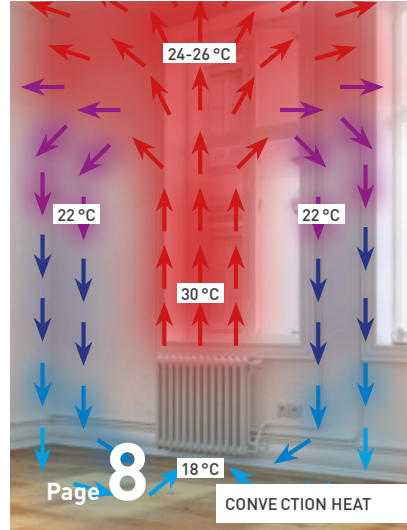
INFRARED BOOK

WARMTH
THAT GETS
UNDER
YOUR SKIN.





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CONVECTION HEAT



INFRARED WARMTH



Page 12



INGENIOUS HEAT. THE ETHERMA WORLD.

INGENIOUSLY DESIGNED: WARMTH THAT GETS UNDER YOUR SKIN

How infrared heat works and why it gets under your skin.

Page 6

INFRARED INDOORS: LAVA® DESIGN-INFRARED HEATING

Save money with the heating system of the future.

Page 8

NOT JUST HOT AIR: OUR QUALITY AND YOUR BENEFITS

What makes LAVA® infrared heating so special and unique.

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**INGENIOUSLY
COMPREHENSIVE:**

LAVA® DESIGN INFRARED HEATING

The LAVA® product family at a glance.

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**INFRARED IN THE
COMMERCIAL SECTOR:**

ETHERMA INDUSTRIAL RADIANT HEATERS

Efficiently heat high-ceiling rooms with a lot of space.

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**CO₂-FREE
HEATING:**

ETHERMA ZERO EMISSION HOME

Energy self-sufficient and sustainable living.

www.zeroemissionhome.com

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ETHERMA HEAT RADIATION THE MOST NATURAL AND EFFICIENT WAY OF HEATING.

When we think of heat, we immediately see the sun rise in front of us. Obviously, after all, even in winter when the temperature is below freezing, we feel pleasantly warm outside as soon as the sun shines. Especially when, for example, we are sitting against the wall of the ski lodge. But have you ever wondered why? The secret is: Infrared radi-

ation. From a physical point of view, infrared radiation is an electro-magnetic wave that lies below red light and is therefore not visible, but clearly noticeable. Sounds a bit complicated at first, but is basically very easy to explain. Instead of heating the air, solid bodies such as walls, furniture and people absorb the heat radiation directly.

The rays are absorbed by the skin, immediately creating a pleasant feeling. Walls and furniture also serve as a storage medium and gradually give off heat to the room. We at ETHERMA use this highly efficient infrared technology in an incomparable way to heat your four walls, conservatories and terraces.

INGENIOUS HEAT.

INGENIOUS BENEFITS.



ECONOMICAL.

Thanks to an increased sense of warmth, operating costs are reduced. Infrared heating systems are cheaper than other heating systems in terms of purchase and, above all, maintenance.

FLEXIBLE.

The right infrared solution for every application.

EFFICIENT.

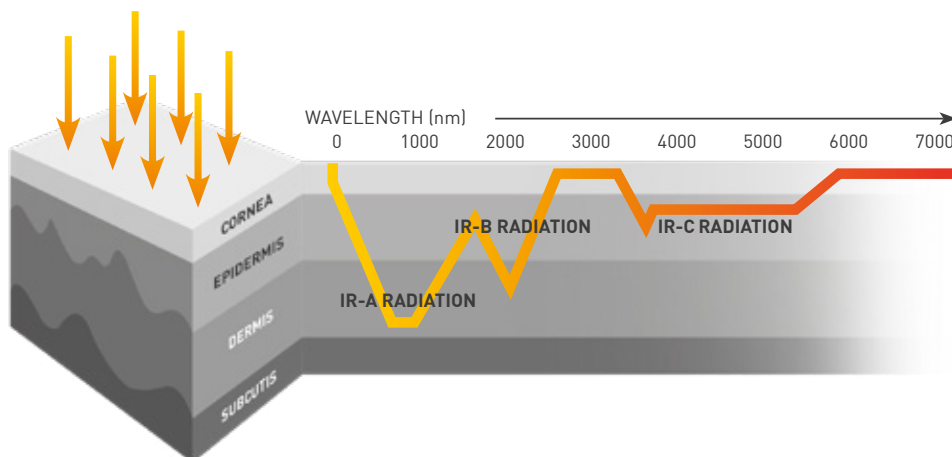
Heat is generated where it is needed. 100% loss-free. Thanks to precise control you decide where and when heat is to be generated.

HEAT THAT IS GOOD FOR YOU.

Too much UV radiation can be unhealthy, but that does not apply to infrared. Quite the opposite. Statistics and investigations prove: There is no more natural and above all healthier form of heat generation. Infrared radiation has been used to promote health for decades: Whether red light for the treatment of diseases or infrared cabins for relaxation and regeneration. The ETHERMA infrared heaters function according to exactly this principle. In contrast to conventional convection heaters, which only heat the air, no dust particles are stirred up in the room, which is a clear advantage, especially for allergy sufferers. The ETHERMA LAVA® design infrared heater does not stir up dust or bacteria and also counteracts moisture and mould formation in the rooms. In outdoor areas, short-wave infrared radiators work quickly and directly and, unlike gas radiators, for example, provide pleasant warmth even in windy conditions.

WARMTH THAT GETS UNDER YOUR SKIN.

We generally distinguish between short, medium and long-wave infrared radiation. To make the best possible use of the technology and the various wavelengths, ETHERMA has developed an ingenious heating solution for each wavelength range. While short-wave heaters are used for short-term and selective heat generation in outdoor areas, medium and long-wave heaters are used in indoor areas.



OUTDOOR
IR-A short-wave
infrared:
Infrared heater

INDOOR
IR-C long-wave
infrared:
LAVA® Design
infrared heater

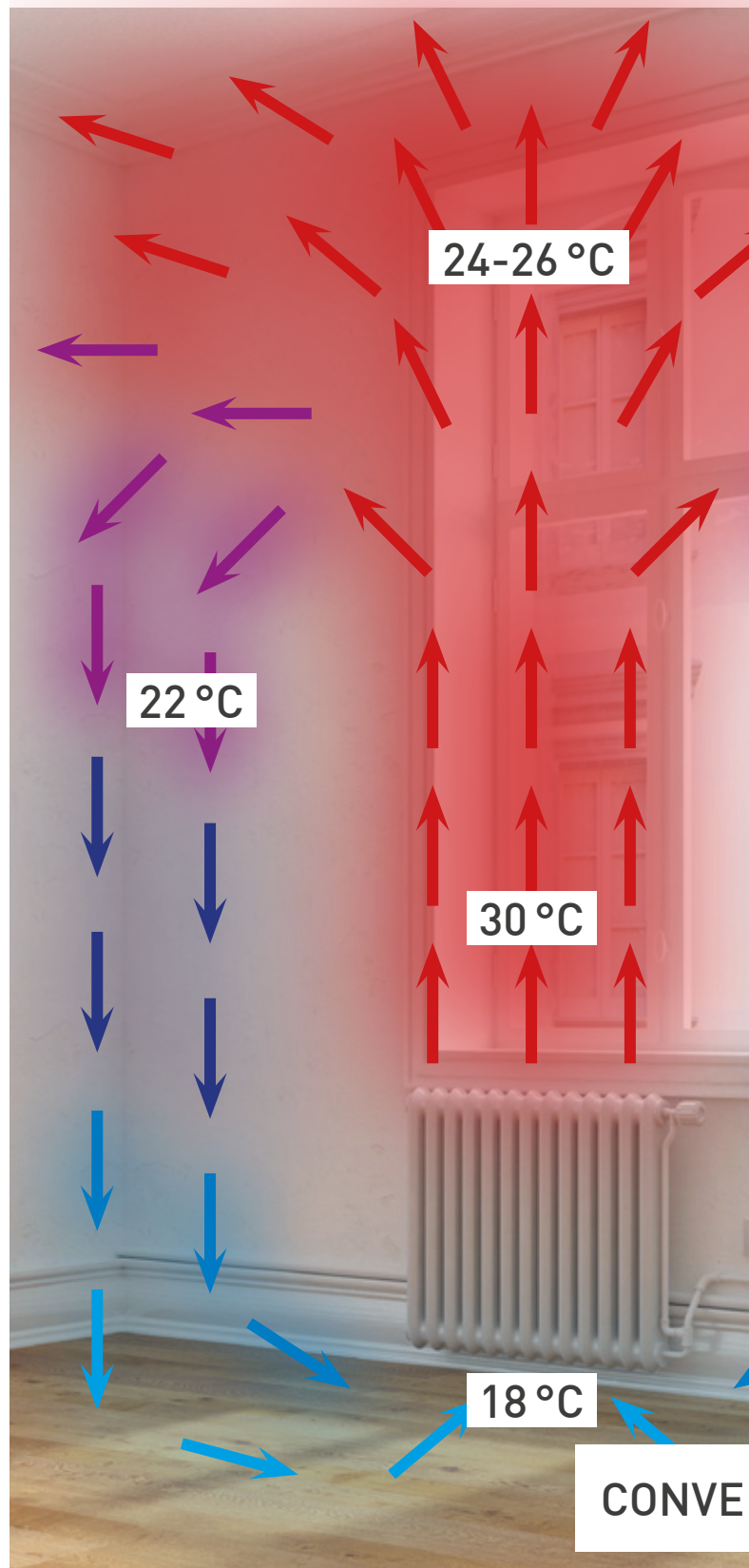
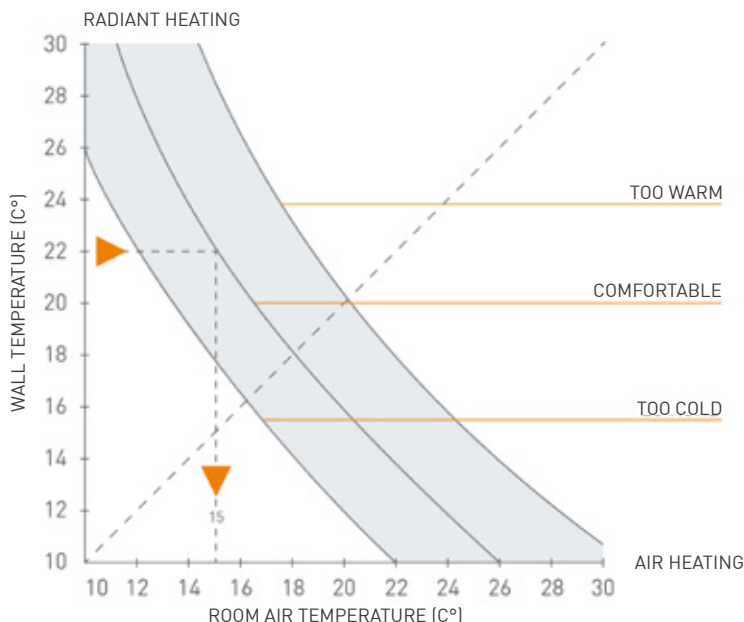
INDUSTRY &
WORKPLACE
IR-B medium-wave
infrared:
Quartz radiator

WE TURN YOUR HOUSE INTO A HOME. LAVA® INFRARED HEATERS FOR INDOOR AREAS.

What distinguishes austere living spaces from a home? Cosiness. And that's exactly what we want to bring to your home. No matter whether it's a new building or a renovation: With the ETHERMA LAVA® Design Infrared Heater, comfort and a pleasant room climate move in between your four walls. Freezing in the transitional period? Dry heating air? This is just as much a thing of the past as poorly temperature-controlled rooms and excessive heating costs.

COMFORT DIAGRAM BY BEDFORD AND LIESE

You want proof of the efficiency of infrared heating? An empirical investigation by Bedford and Liese demonstrated that people feel the same degree of snugness with warm walls even when the room's air temperature drops. The subjectively felt temperature is 2-3 degrees higher than the actual room temperature. The room's air temperature can thus be reduced without affecting that sense of snugness. Every degree that the air temperature drops translates to a 6% energy saving. Thus, infrared heat can save you up to 18% in terms of energy.

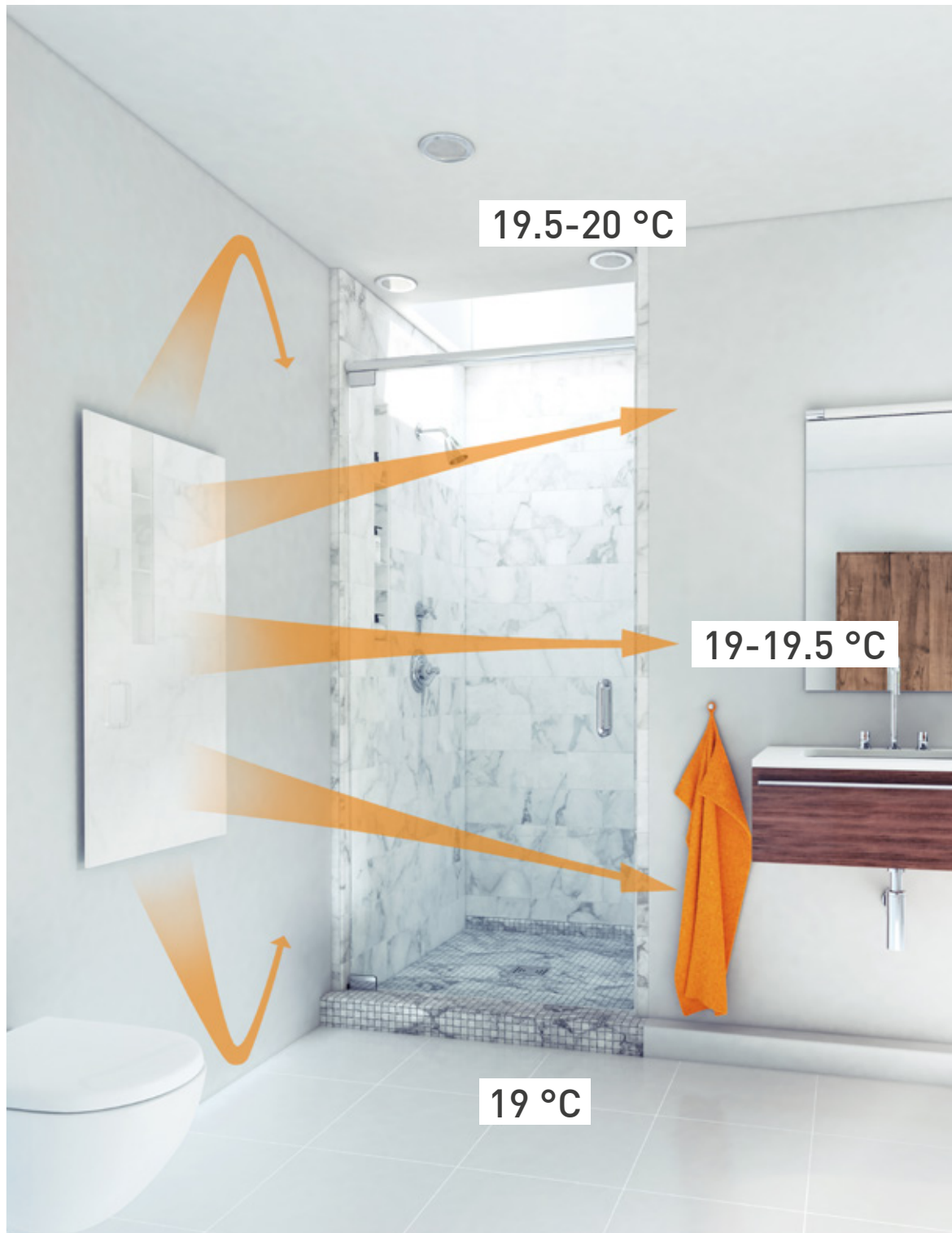


INGENIOUS HEAT AT THE PUSH OF A BUTTON.

Hardly any other heating system can be controlled as individually and comfortably as the ETHERMA LAVA® Design Infrared heating. After switching on, the surface reaches a temperature level of around 60 degrees Celsius within a few minutes - making it immediately ready for use. Even when you're on the move - home automation allows you to access your heating system from anywhere and at any time.



CONVECTION HEAT



INFRARED WARMTH

WE PROMISE MORE THAN JUST HOT AIR.

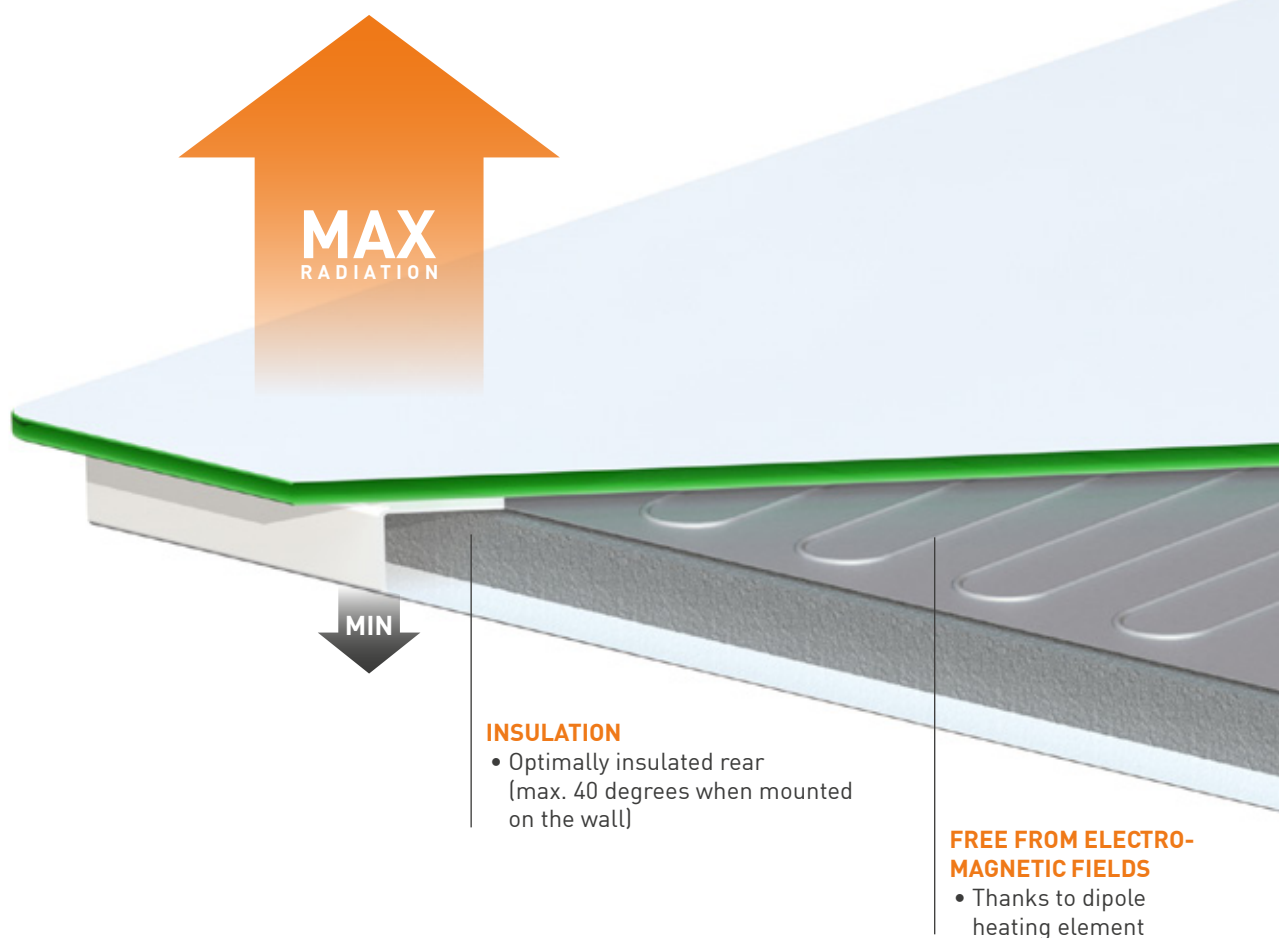
At ETHERMA, we have made it our mission to ensure that your home is heated in an efficient, reliable and innovative way. While conventional convection heaters use the air for heat transport and the rising heat remains suspended mostly below the ceiling, infrared heat reaches people, objects and walls directly and ensures optimum temperature distribution throughout the room. The energy used is quickly and 100 % converted into

heat, unlike, for example, water-guided systems, where uneconomical transition losses occur and which react only very slowly. This saves you time when heating, but above all energy and costs.

THE LAVA® INFRARED HEATER MORE THAN HOT AIR.

THE QUALITY IS IN THE DETAIL

For ETHERMA, quality is not something we only pay lip service to. We voluntarily have our products undergo external quality testing. Our efficient, technically sophisticated LAVA® infrared heaters have been awarded the EC and TÜV seals of approval, thus demonstrating their standard-compliant processing and the necessary safety of the panels.



THE RADIANT EFFECT

Maximum heat radiation is directed forwards, and, thanks to optimal insulation on the rear of the unit, there is almost no heat loss at the back. The generous radiation surfaces and homogeneous surface temperature of infrared heating systems warm the room evenly rather than only in certain areas (no radiation asymmetry).

IDEAL MATERIALS FOR MORE WARMTH

A crucial quality factor is the finish of the surface of the infrared heating system. We use the highest quality surface materials such as glass or ceramic. In this way, we can guarantee an optimal radiant effect and efficient diffusion throughout the room.

DESIGN

The LAVA® infrared heater impresses with its elegant design. The different surfaces and finishes of our LAVA® range are as diverse as your living spaces. You can for example design your infrared heating yourself, thanks to our Wish motif - LAVA® DYL 2.0 lets you do that. But all of our heaters have one thing in common: They are frameless, and perfectly finished.

OPTIMAL RADIANT HEATING EFFECT

- No radiation asymmetry thanks to large radiation surfaces
- Even surface temperature

MAXIMUM FLEXIBILITY

- 6 outputs
- 5 surfaces
- 3 installation designs (wall/ceiling/built-in)
- Individualised with customer motif
- Individual control (Plug & Play)

OPTIMAL PROTECTION

- 6 mm ESG
- 6 mm fine stone
- 6 mm special ceramics
- Impact-resistant
- Washable
- Durable

INFINITY DESIGN

- Frameless
- Rounded corners

THIN

- Different device- & mounting depths max. 36/67 mm

MADE IN AUSTRIA

- 100 % made in Austria
- 5-year warranty
- TÜV-certified

SAFETY LIMITER

- 2 temperature controls

SAFETY WITHOUT COMPROMISE

Despite the rapid warming-up phase, two temperature limiters prevent overheating as well as any burn hazard from coming into contact with the panel. The six-millimetre thick ESG glass and/or special ceramic as well as the Teflon-insulated, high-temperature resistant dipole heating element guarantee maximum safety.

MADE IN AUSTRIA

In order to meet our own demands and your requirements every day, ETHERMA develops and manufactures its LAVA® infrared heating systems with top-quality materials in Austria. In the two production facilities in Salzburg, our infrared heaters are manufactured in compliance with the highest, international standard, subjected to expert quality inspection and prepared with a lot of attention and care for transport to your home.





CONSCIOUS CONSTRUCTION, HEALTHY LIVING.

How the LAVA® infrared heating supports a positive living climate and sustainable building concepts.

01 OUR CUSTOMERS SPEAK FOR THEMSELVES.

A well-known London real estate company deals with the acquisition, renovation and letting of residential blocks. While the façades of the buildings reflect the historical era in which they were built, the interior of the apartments has to be completely renovated to meet the high standards of modern architecture and the needs of tenants. The real estate company was looking for an energy-efficient heating system that would provide the tenants with excellent heating comfort and at the same time perfectly blended in with the interior design and the overall character of the buildings.

02 AND THIS SPEAKS FOR US.

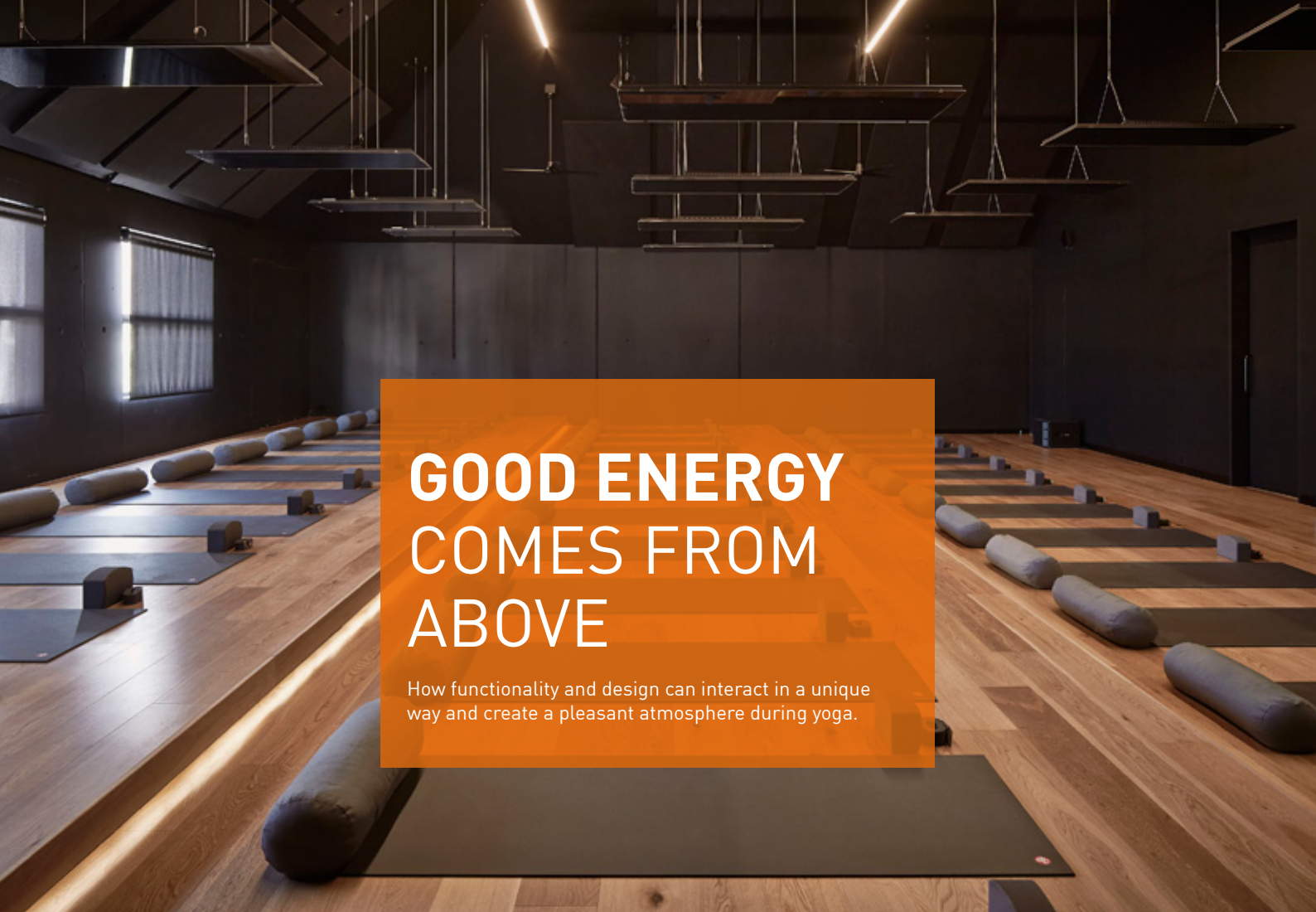
A decisive factor was that there was a corresponding heating solution for each of the three apartment categories. In the public areas of the residential complexes, the heating had to be controlled remotely to avoid unauthorised use and unnecessary heating costs. Thanks to the extensive range and various sizes and output LAVA® infrared heaters from ETHERMA are the ideal solution for heating public areas. The real estate company decided to use LAVA® CERAMIC 2.0 in the first class apartments, LAVA® GLAS 2.0 in the premium apartments and LAVA® BASIC-DM in the standard class. Thanks to the Plug & Play plug-in system, installation time was reduced to a minimum and heating control was increased to a maximum.

03 THIS IS THE LIFE.

The decision to use wireless controls simplified the installation and thus the costs. By centrally controlling the public heating areas with ETHERMA's eNEXHO home automation system, the heating is used efficiently and can be adjusted at any time without the need for staff to be on site. The flexibility that infrared heaters can be mounted either vertically or horizontally, allows for optimal use of living space. At the same time, the LAVA® design infrared heating has become an essential component of room architecture. For tenants, the result is an aesthetically pleasing, energy-efficient heating system which creates a pleasant, comfortable indoor climate while also saving on heating costs.

- + Pleasant room climate thanks to infrared heat
- + Clean, healthy air - ideal for allergy sufferers
- + Flexible: Horizontal & vertical wall and ceiling mounting

- + No maintenance - saves money
- + Plug & Play connection system for easy individual control
- + Made in Austria - TÜV-certified quality products



GOOD ENERGY COMES FROM ABOVE

How functionality and design can interact in a unique way and create a pleasant atmosphere during yoga.

01 OUR CUSTOMERS SPEAK FOR THEMSELVES.

Yoga is booming all over the world and in Australia as well, of course. For the conversion of their yoga studio in a suburb of Melbourne, the team of "HUMMING PUPPY" has set itself the task of creating modern premises with an extraordinary atmosphere. The new studio should captivate through its special architecture and at the same time offer the ideal environment for relaxation. The major challenge was to heat the high-ceiling rooms to a constant 27 °C, without generating drafts from the heating ventilation.

02 AND THIS SPEAKS FOR US.

With the LAVA® ceiling infrared heaters the optimal heating solution was found. Thanks to the ceiling installation, the LAVA® infrared heating is especially suitable for heating individual zones in large rooms. Due to the height of the room, the panels were suspended to a height of 2.5 metres and thus heat without energy loss. To achieve the desired heat of 27 °C in the course room, it was decided to use 1000 W devices.

03 ON YOUR MAT, GET READY, YOGA.

The design infrared heaters directly warm up walls, mats, and especially the yoga students. The heat stored in the environment is gradually released into the room, creating a pleasant room climate without draughts. In addition, the mirrored glass design contributes to the luxurious character of the studio, and the LAVA® infrared heaters fit perfectly into the extraordinary architecture. The result is a breathtaking example of how functionality and design can be harmonised.

- + Perfect for zone heating
- + No air turbulence
- + Pleasant room climate thanks to infrared heat
- + No maintenance - saves money

- + Plug & Play connection system for easy individual control
- + Made in Austria - TÜV-certified quality products

VERSION 1

RADIO CONTROL

LAVA®-F: SIMPLER WITH RADIO

Radio-controlled thermostats avoid complex elevation and plaster work for cable routing and allow easy installation of heaters. The LAVA®-F radio receiver can be quickly fitted to all LAVA® 2.0 using the connection system. The receiver is controlled by the ET-14A radio thermostat (sold separately) which can control up to 10 LAVA®-F radio receivers. The ET-14A has a programmable week program, frost protection function, manual mode and ON/OFF function.



VERSION 2

WIRED

WIRED ROOM THERMOSTATS

Ideal for new buildings and renovation, for example, when old night storage heaters, which were controlled by thermostat, are replaced.



Symbolfoto

BASIC CONTROL

LAVA®: PLUG & PLAY BASIC MODULE

All LAVA® 2.0 infrared heaters are supplied without control system, but with a plug lead and ON/OFF switch. They are, therefore, ideal for new construction and anywhere where wired room thermostats are used. The Plug & Play connection system (IP 65) allows direct connection to a wired room thermostat, easy integration with a radio receiver LAVA®-F or direct control of the device with the LAVA®-R thermostat or Timer LAVA®-T.

**LAVA® 2.0 PLUG & PLAY
CONTROL SYSTEM
THE CONTROL YOU
ALWAYS WANTED.**

Modern, precise control is the key to saving operating costs and avoiding wasting valuable energy. The various types of the LAVA® design infrared heaters in combination with an appropriate thermostat provides the ideal solution for every individual need.

Due to the new Plug & Play connection system, you can tailor your LAVA® design infrared heaters to your individual needs at any time. For instance, you can upgrade the standard model at a later stage with a thermostat or a radio receiver.

VERSION 3

ON THE DEVICE



Plug & Play box



LAVA®-R: THE INTEGRATED THERMOSTAT

All LAVA® 2.0 infrared heaters can be fitted with a thermostat which has been developed specifically for infrared heaters. The thermostat controls the room temperature and optimises the surface temperature of the LAVA®. Furthermore, the surface temperature in children's rooms and bathrooms, for example, can be limited to 60°C with a switch. The adjustable temperature range is from 5 to 35 °C. The LAVA® -R thermostat can be easily fitted to all LAVA® 2.0 units using the connection system. In combination with the eNEXHO home automation system, you can conveniently control your LAVA® design infrared heating using a smartphone, tablet or PC, including when you are out and about.



LAVA®-T: THE CONVENIENT TIMER

All LAVA® 2.0 infrared heaters can be fitted with a timer which has been specially developed for temporary operation. By pressing the timer, the device heats for 2 hours with maximum power and then switches off automatically. The timer can be switched off early at any time by pressing the button again. The LAVA®-T can be easily fitted to all LAVA® 2.0 units using the connection system.

Type	On the device			Wired	Radio control		
	P&P-Box	LAVA®-R	LAVA®-T		ET-14A (thermostat)	LAVA®-F (receiver)	ET-111A (receiver)
LAVA® BASIC-DM				Z	Z		Z
LAVA® STAND		V					
LAVA® LITE				Z	Z		ET-111C
LAVA® ARCUS				Z	Z		Z
LAVA® FRAME				Z	Z		Z
LAVA® DESK 2.0	With dimmer & timer in the LAVA2-DESK-80-T version						
LAVA® STEEL 2.0	V	Z	Z	Z	Z	Z	
LAVA® GLAS 2.0	V	Z	Z	Z	Z	Z	
LAVA® STONE 2.0	V	Z	Z	Z	Z	Z	
LAVA® CERAMIC 2.0	V	Z	Z	Z	Z	Z	
LAVA® DYL 2.0	V	Z	Z	Z	Z	Z	
LAVA® BATH 2.0	V	Z	Z	Z	Z	Z	
LAVA® BATH 2.0 PURE	V	Z	Z	Z	Z	Z	
LAVA® BATH 2.0 DYL	V	Z	Z	Z	Z	Z	
LAVA® GLAS 2.0-PLUS	V	Z	Z	Z	Z	Z	

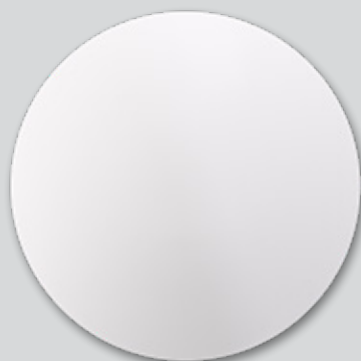
V: Pre-installed

Z: Accessories

INGENIOUSLY EXTENSIVE: THE LAVA® PRODUCT FAMILY

DEVICES IN NANO ANTHRACITE
AVAILABLE FROM STOCK.

ALSO IN RAL COLORS
AVAILABLE!



LAVA® BASIC-DM

The infrared heating for the ceiling & wall

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + 350, 750, 1500 W suitable for grid ceilings (625 x 625 mm)
- + Ideal for the ceiling due to a lightweight construction
- + Maximum radiation to the front due to the optimally insulated rear
- + No service or maintenance required
- + Without magnetic field



Device/ Installation depth	22/52 mm
Output	350, 500, 700, 750, 1000, 1500 W
Surface temperature	max. 120 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	✓
Connecting cable	1 m, 3 x 1,5 mm ² without plug
Control on device	-
Wired control	✓
Radio control	✓
LED accessories	✓

LAVA® ARCUS

The round infrared heating for ceilings and walls.

BENEFITS OF THIS PRODUCT

- + For ceiling and wall mounting suitable
- + Maximum beam angle thanks convex design
- + Frameless infinity design
- + No service or maintenance required
- + Without magnetic field



Device/ Installation depth	60/80 mm
Output	400 W
Surface temperature	max. 120 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	✓
Connecting cable	1 m, 3 x 1,5 mm ² without plug
Control on device	-
Wired control	✓
Radio control	✓
LED accessories	-

LAVA® LITE

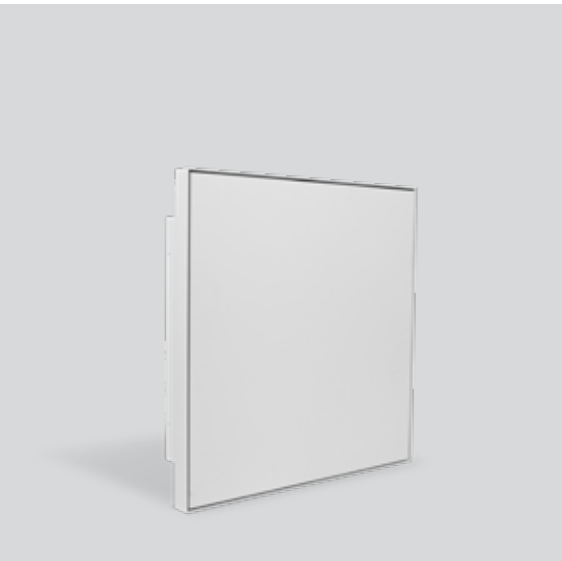
The extra thin infrared heating.

BENEFITS OF THIS PRODUCT

- + Extra thin construction
- + Very shallow mounting depth
- + Frameless infinity design
- + Maximum security against breakage and overheating
- + No service or maintenance required
- + Without magnetic field



Device/ Installation depth	13/33 mm
Output	240, 450, 700, 900 W
Surface temperature	max. 95 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	1 m, 3 x 1,5 mm ² without plug
Control on device	-
Wired control	✓
Radio control	✓
LED accessories	✓



LAVA[®] FRAME

The built-in infrared heating.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Mounting frame with Easy-Click
- + Flush-mounted installation
- + Simple installation
- + No service or maintenance required
- + Without magnetic field

CE

Device/ Installation depth	22/75 mm
Output	350, 500, 700, 750 W
Surface temperature	max. 120 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	✓
Connecting cable	1 m, 3 x 1,5 mm ² without plug
Control on device	-
Wired control	✓
Radio control	✓
LED accessories	-



HEAT AT WORKPLACE AT HOME AND IN THE OFFICE



With LAVA® infrared heating, it is very easy to regulate the temperature individually at the workplace. Especially in open-plan offices, at the reception or in showrooms, it is difficult to maintain a constant comfortable temperature for all employees. With infrared heaters such as the LAVA® BASIC-DM infrared panel for the ceiling, the LAVA® DESK infrared heater under the table and the LAVA® STAND mobile unit, it is easy to meet all individual needs. In addition, the basic room temperature can be lowered, thus saving energy and costs. Employees can decide individually whether and when they prefer it a little warmer or colder by controlling the infrared panel themselves. This leads to personal comfort and higher employee satisfaction. Likewise in the home office - LAVA® infrared heaters help with efficient and cost-conscious energy use. It is not necessary to keep all the rooms in the house at the same temperature or to heat the study that is not used every day. With ETHERMA infrared heating you will feel the pleasant radiant heat within a few minutes and that in the time when you actually use the workplace.

The LAVA® DESK 2.0 provides comfortable heat at the desk. Due to the very thin construction of only 15 mm, the device can be easily mounted on the underside of the desk top, but also on the wall. The surface temperature is regulated so that even when touched it is not too hot for the skin.

The mobile infrared heater LAVA® STAND is suitable for many applications such as living rooms, offices, bathrooms or containers in the function as an additional heat source or as an independent heating system. It can be placed on the floor or hung on the wall - depending on the application. Thanks to the integrated thermostat, you always have the temperature in view.

And for those who prefer warmth from above, the LAVA® BASIC-DM models are the perfect choice. Different sizes and outputs guarantee the right dose of warmth and can be controlled by means of a plug&play system either by radio or by means of a wall thermostat.

ETHERMA TIP:

2-in-1 - The LAVA® STAND infrared panel scores with flexibility - mounted on the wall, it provides heat at any time and can be removed when needed (e.g. for work) and placed at the desired location with the stand.

INGENIOUSLY EXTENSIVE: INDIVIDUAL WORKPLACE HEATING

DEVICES IN NANO ANTHRACITE
AVAILABLE FROM STOCK.
ALSO IN RAL COLORS
AVAILABLE!



LAVA® BASIC-DM

The infrared heating for the ceiling & wall

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + 350, 750, 1500 W suitable for grid ceilings (625 x 625 mm)
- + Ideal for the ceiling due to a lightweight construction
- + Maximum radiation to the front due to the optimally insulated rear
- + No service or maintenance required
- + Without magnetic field



LAVA® STAND

The mobile standing infrared heater

BENEFITS OF THIS PRODUCT

- + Also suitable for wall mounting
- + Integrated, fold-out stand
- + Carrying handle on the device for easy transport
- + Integrated, electronic control LAVA®-R
- + High radiation effect
- + Scratch protection for the floor covering thanks to felt feet



LAVA® DESK 120

The under-desk infrared heating.

BENEFITS OF THIS PRODUCT

- + Undertable & wall mounting
- + Pleasant radiant heat
- + No service or maintenance required
- + Without magnetic field



Device/ Installation depth	22/52 mm	22 mm	15 mm
Output	350, 500, 700, 750, 1000, 1500 W	300, 450 W	80 W
Surface temperature	max. 120 °C bei Norm-Innentemp.	max. 95 °C at std. internal temp.	max. 70 °C at std. internal temp.
Wall mounting:	✓	optional wall mounting kit required	✓
Ceiling installation	✓	-	Installation under the table
Connecting cable	1 m, 3 x 1,5 mm ² without plug	1 m, 3 x 1,5 mm ² without plug	2 m incl. On/Off switch 2 m incl. timer and dimmer
Control on device	-	✓	-
Wired control	✓	-	-
Radio control	✓	-	-
LED accessories	✓	-	-

INGENIOUSLY EXTENSIVE: THE LAVA® 2.0 PRODUCT FAMILY



LAVA® STEEL 2.0

The wall infrared heating.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Frameless Infinity design
- + Plug & Play connection system for easy individual control
- + No service or maintenance required
- + Without magnetic field



Device/ Installation depth	26/57 mm
Output	250, 500, 750, 1000 W
Surface temperature	max. 95 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-

LAVA® GLAS 2.0

The wall infrared heating.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Frameless infinity design
- + Plug & Play connector system for simple, individual control
- + Maximum security against breakage
- + No service or maintenance required
- + Without magnetic field



Device/ Installation depth	30/61 mm
Output	250, 500, 600, 750, 800, 1000 W
Surface temperature	max. 95 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-

LAVA® CERAMIC 2.0 & STONE 2.0

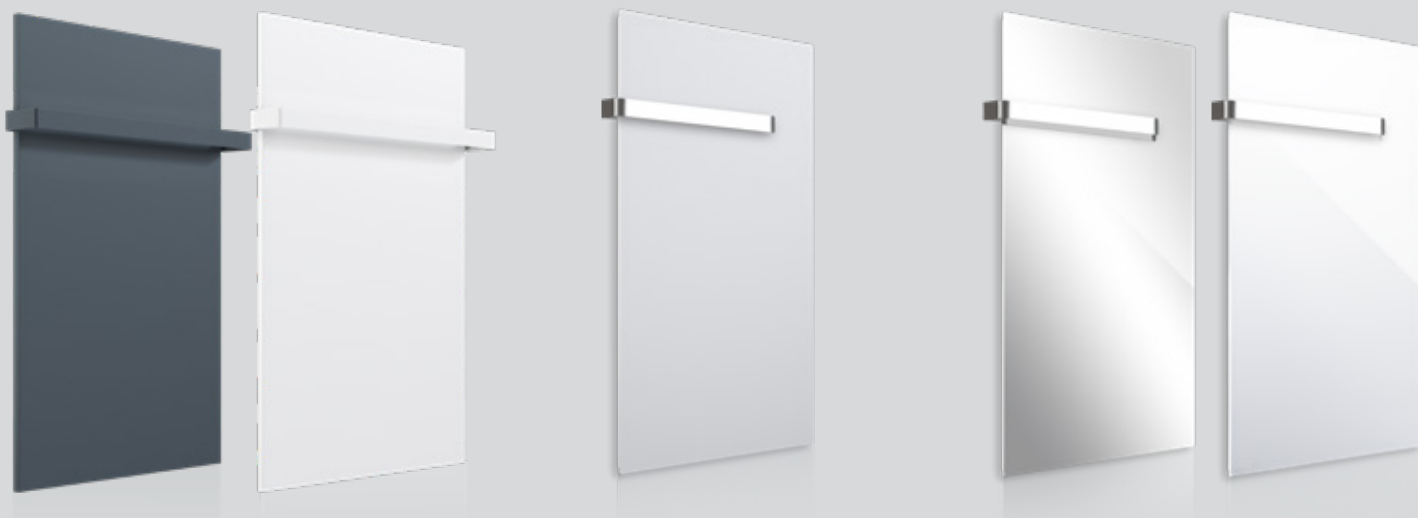
The wall infrared heating.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Frameless infinity design
- + Plug & Play connector system for simple, individual control
- + No service or maintenance required
- + Without magnetic field



Device/ Installation depth	30/61 mm
Output	250, 500, 750, 1000 W
Surface temperature	max. 95 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-



LAVA® BATH 2.0 PURE

Bathroom infrared heating with towel rail.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Plug & Play connector system for simple, individual control
- + 1 LAVA® Halti towel rail included - 2 more available as accessories
- + No service or maintenance required
- + Without magnetic field

CE

Device/ Installation depth	22/52 mm
Output	350, 500, 700 W
Surface temperature	max. 80 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-

LAVA® BATH 2.0 STEEL

Bathroom infrared heating with towel rail.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Plug & Play connector system for simple, individual control
- + 1 LAVA® Halti towel rail included - 2 more available as accessories
- + No service or maintenance required
- + Without magnetic field

CE

Device/ Installation depth	26/57 mm
Output	350, 500, 700 W
Surface temperature	max. 80 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-

LAVA® BATH 2.0 GLAS

Bathroom infrared heating with towel rail.

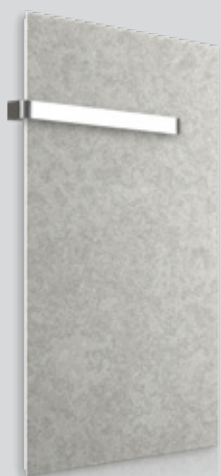
BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Plug & Play connector system for simple, individual control
- + 1 LAVA® Halti towel rail included - 2 more available as accessories
- + No service or maintenance required
- + Without magnetic field

GS CE

Device/ Installation depth	30/61 mm
Output	350, 400, 500, 700 W
Surface temperature	max. 70 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-

INGENIOUSLY EXTENSIVE: THE LAVA® 2.0 PRODUCT FAMILY



LAVA® BATH 2.0 STONE

Bathroom infrared heating with towel rail.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Plug & Play connector system for simple, individual control
- + 1 LAVA® Halti towel rail included - 2 more available as accessories
- + No service or maintenance required
- + Without magnetic field

CE

Device/ Installation depth	30/61 mm
Output	350, 400, 500 W
Surface temperature	max. 70 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-

LAVA® BATH 2.0 CORIAN

Bathroom infrared heating with towel rail.

BENEFITS OF THIS PRODUCT

- + Highest radiation efficiency
- + Plug & Play connector system for simple, individual control
- + 1 LAVA® Halti towel rail included - 2 more available as accessories
- + No service or maintenance required
- + Without magnetic field

CE

Device/ Installation depth	36/67 mm
Output	350, 400, 500 W
Surface temperature	max. 70 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-

LAVA® DYL 2.0 LAVA® BATH 2.0 DYL

Design your own infrared heating.

BENEFITS OF THIS PRODUCT

- + Your LAVA® according to your ideas (e.g. logo, photo)
- + Plug & Play connector system for simple, individual control
- + No service or maintenance required
- + Without magnetic field

GS CE

Device/ Installation depth	30/61 mm
Output	180, 350, 500, 700 W
Surface temperature	max. 70 °C at std. internal temp.
Wall mounting:	✓
Ceiling installation	-
Connecting cable	Patch cord 1m
Control on device	✓
Wired control	✓
Radio control	✓
LED accessories	-



INFRARED HALL HEATING. RELIABLE INDUSTRIAL CEILING HEATERS.

CREATE WARMTH AREAS

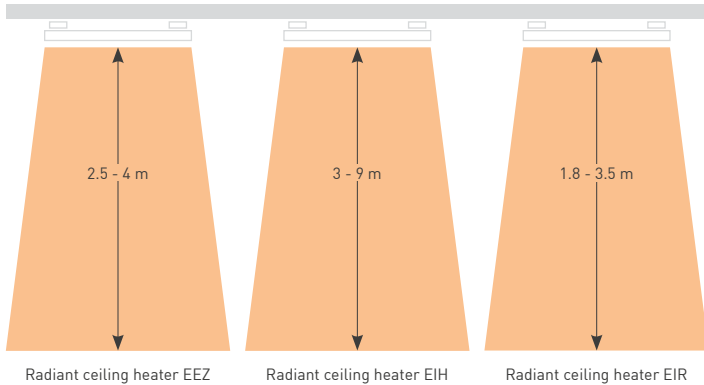
Heating an entire space is often not possible, or simply not economical, particularly in large industrial premises. Area heating with ETHERMA infrared and radiant heat systems, which provide comfortable warmth and only heat the area required, is the efficient and economical solution - particularly in large, high spaces.

ETHERMA EEZ
Industrial ceiling heater





THE RIGHT HEATER FOR EVERY CEILING HEIGHT

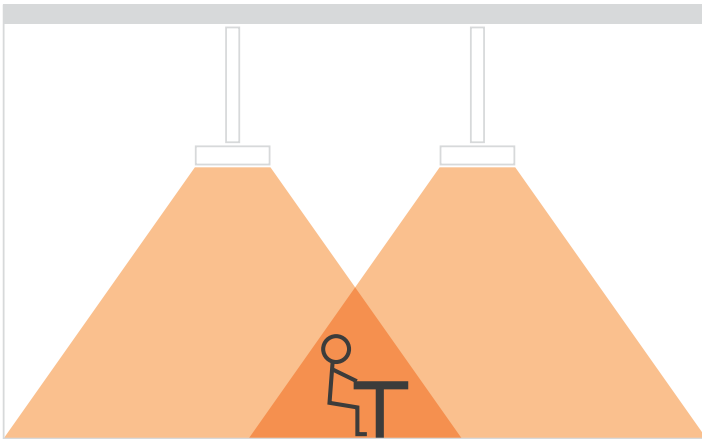


A number of basic criteria must be considered in order to choose the right heating system. The installation height, surroundings and desired type of heating primarily determine the choice of the right product.

SELECTION CRITERIA:

- + Type of furnishing
- + Application of the heating
- + Environment/building insulation
- + Room height, installation height
- + Installation: Wall or ceiling

SPOT HEATER

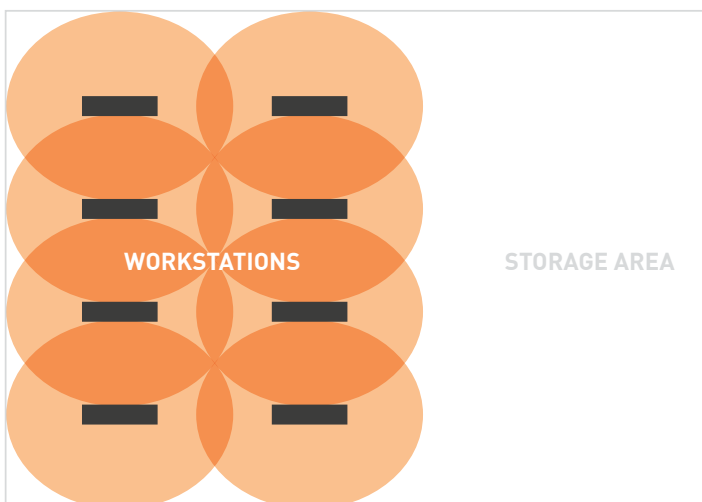


PERFECT FOR INDIVIDUAL WORKSTATIONS IN HIGH-CEILING HALLS

When positioning the radiant heater as a heating unit, it is recommended to ensure that the heat radiation comes from at least two directions (overlapping). This results in a higher heat intensity, which can reduce the mounting height.

Spot heating is particularly suitable for high-ceiling halls in which only individual work areas are to be additionally heated.

AREA HEATING



ZONE HEATING FOR ENTIRE AREAS IN A HALL

The correct arrangement of the radiant heaters is essential for a uniform heat zone. The distance between the radiant heaters and the outer walls should not be greater than half the installation height.

Zone heating is ideal for large halls that are divided into work and storage areas, for example, so that the entire hall does not need to be heated, but only the area in which people work.



INGENIOUS WARMTH IN THE WORKPLACE

Save heating costs at the workplace with infrared heating. Targeted heat for satisfied employees.

01 THE EXISTING SITUATION

The 400 m² workshop is not insulated and was heated with a 24 kW oil hot air blower in the back corner of the building. At a ridge height of 6.5 m, the convection heater could not effectively heat the room and provide a pleasant working temperature, as the heated air quickly rose to the ceiling. The cooled air then sank back to the floor. Indeed, it was no longer warm enough to heat the large room homogeneously. In addition, the warm-cold differential created an unpleasant draught for the employees. The large sliding doors through which the cars enter and leave were also problematic. Every time these were opened, there was a considerable loss of heat, as the rising warm convection currents sucked in the cold air from outside.

02 THE CHALLENGE

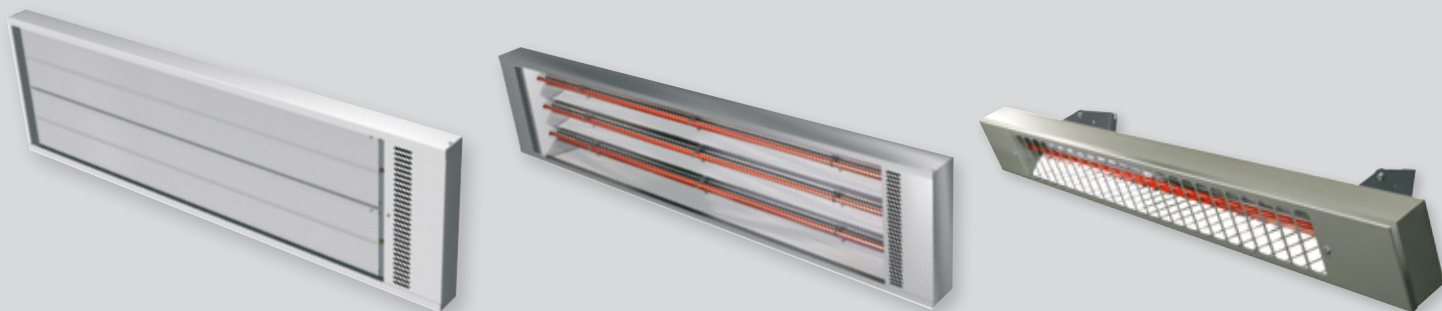
The mechanics work on approximately 40% of the workshop area, the rest is storage space. The heating therefore had to heat the work area without wasting valuable energy to heat the entire area. It was also important that the heat did not escape immediately every time the large sliding doors were opened. Throughout the day, the mechanics only used the diagnostic workstations for approx. 20 minutes at a time, i.e. they are not in continuous use and only need to be heated if an employee is working there. In addition, the heating solution should also be able to be controlled individually for each workstation, so that it achieves maximum efficiency and the highest level of thermal comfort.

03 THE SOLUTION

In large halls, it is often not economical to heat the entire area - zone heating is often more effective in this case. The ETHERMA EEZ industrial radiant heaters are ideal for heating large spaces with high ceilings. Because infrared heaters work directly, i.e. they do not heat the air but the objects and people in the room, there is no heat loss between ceiling and floor. In addition, ETHERMA EEZ industrial heaters can be precisely aligned so that the heat reaches where it is needed. This means that the areas around the ramps are heated at the touch of a button as soon as staff start work. In addition, they are not affected by draughts, so that the employees have a warm workplace even when the doors are open. The precise control of the radiant heaters not only ensures heating comfort, but also saves operating costs and prevents wasting energy.

- + No heat loss because of draughts
- + Perfect for use as spot or zone heating
- + Smart control for increased comfort
- + Individually dimmable per zone

INGENIOUSLY EXTENSIVE: THE INDUSTRIAL RADIANT HEATER.



ETHERMA EEZ

Industrial radiant heater

BENEFITS OF THIS PRODUCT

- + Full area heating or zone heating
- + Hygienic room climate
- + Surface structure optimises radiation
- + Also for roofed outdoor areas

ETHERMA EIH

Industrial radiant heater

BENEFITS OF THIS PRODUCT

- + Full area heating or zone heating
- + Good warmth distribution
- + Robust design
- + Adjustable angle
- + Also for roofed outdoor areas

ETHERMA EIR

Industrial radiant heater

BENEFITS OF THIS PRODUCT

- + Full area heating or zone heating
- + Robust design
- + Sleek design
- + Also for roofed outdoor areas

	CE
Installation height	2.5 - 4 m
Output	800 - 3600 W
Max. element temperature	340 °C
Protection rating	IP 44
Wall mounting:	✓ *
Ceiling installation	✓
Termination	✓

	CE
Installation height	3 - 9 m
Output	3000 - 6000 W
Max. element temperature	750 °C
Protection rating	IP 44
Wall mounting:	✓ *
Ceiling installation	✓
Termination	✓

	CE
Installation height	1.8 - 3.5 m
Output	1000 - 1500 W
Max. element temperature	700 °C
Protection rating	IP 44
Wall mounting:	✓
Ceiling installation	✓
Termination	✓

*Separate accessories required



ETHERMA ZERO EMISSION HOME.

If you want to make a difference in the future, you have to start today. For this reason, we think ahead of our time. More than three decades ago ETHERMA founder Peter Reiter was fascinated by the possibility of using hydroelectricity. Driven by the vision of heating the floor directly with electricity without losses and without a boiler and heating the building with a clean energy, we created our modern and innovative heating concept. Today's owner Thomas Reiter continues to pursue this course with consistency. And he's convinced: The future of heating is electric. After all, who would have thought ten years ago that the development of electric cars would progress so positively and quickly? What has long been advertised on the streets as a defined goal for the future will continue within our own four walls. It was once the idea to generate clean electricity and convert it into

heat without any losses, but today the goal is to produce and make intelligent use of the electricity we need. Contrary to many claims, electricity is a clean, environmentally friendly and cost-efficient source of energy. More and more power suppliers use the natural power of water, wind and sun so that today, anyone can choose to use green, sustainable energy. Favoured by the rapid technical progress in photovoltaic systems and battery storage, it is also possible to produce electricity yourself and to provide your own energy supply independently of external gas or fossil fuels. We all need to be aware: Resources such as oil or gas are not infinitely available on our planet. The power of nature, on the other hand, is.

**"WE CANNOT PREDICT
THE FUTURE. BUT WE
CAN SHAPE IT."** Thomas Reiter



INDEPENDENT AND UNENCUMBERED.

Modern electric heating is more than an alternative. Electric heating systems are our only chance to sustainably reduce environmental impact and to bring about a cleaner way of life for future generations. Combined with an innovative energy generation and storage system, you live completely independently. The ETHERMA ZERO EMISSION HOME offers a sophisticated concept of using self-generated electricity for daily needs. The additional demand during the heating periods can be covered by clean electricity from the grid. Precise control also minimises energy requirements and thus operating costs. Together with modern home automation, optimum comfort is created and the available energy is used efficiently. Gone are the days when low-energy and passive houses needed a power plant in the basement. The heating system is often

simply oversized in relation to the demand. Thanks to structural optimisation of the insulation and windows, the heating requirement and, therefore, the energy required is reduced.

CO₂-FREE AND COST-EFFECTIVE

The result is not only independence from external energy suppliers, but also a CO₂-free, modern and comfortable home, whose heating system also generates savings compared to traditional heating systems. The aim

is not a CO₂-neutral home, as is often promised with pellet heating, but the complete elimination of CO₂ emissions. The future of heating is clean and independent.

**“FOR A CLEANER FUTURE,
WE DEMAND A COMPLETE SWITCH TO
100 % GREEN ELECTRICITY FROM THE GRID,
AND MANDATORY PV EQUIPMENT
FOR EVERY NEW-BUILD FOR THE INDIVIDUAL
GENERATION OF GREEN ELECTRICITY.”**

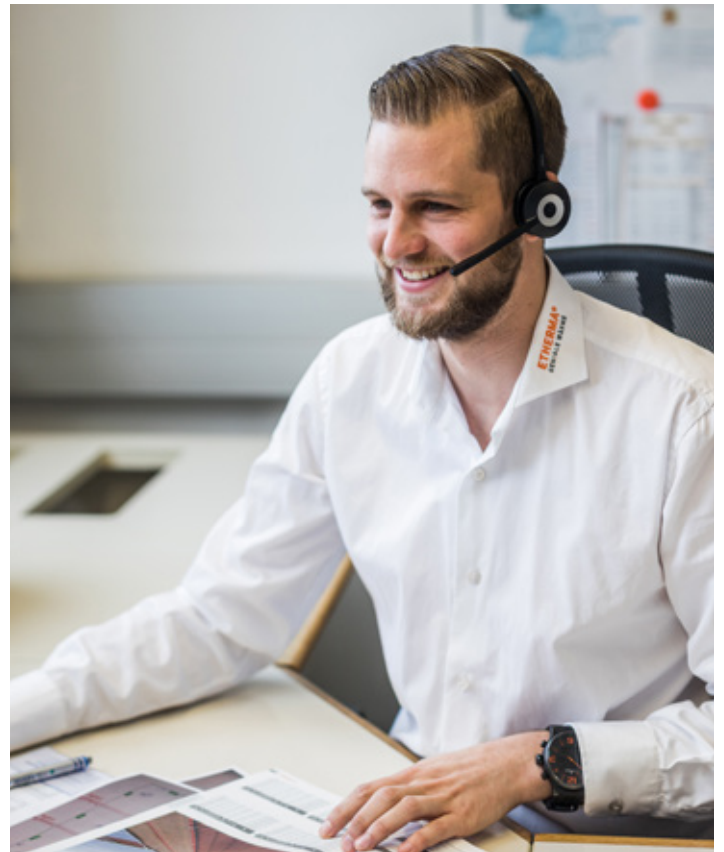
THIS IS WHAT WE BUILD ON. THE FOUR ETHERMA COLUMNS.



QUALITY.

Regional production for international standards.

For more than 40 years, we have represented the highest standard at fair prices. In order to meet our own demands and your requirements every day, we develop and manufacture our ETHERMA products with top-quality materials in Austria – our home country. In the two production facilities in Salzburg, our products are manufactured in compliance with the highest, international standard, subjected to the quality inspection by our experts and prepared with a lot of attention and care for the transport to your home.



SERVICE.

As a customer, we consider you as part of our family.

We assist you from the free-of-charge consultation and planning to the installation of your new heating system. During this time, we do not only provide you with the advice of our specialist dealers, but we'll also be happy to be at your side personally and provide you with direct support. Our staff members with their longstanding experience of professional training will take their time to solve your problems. Do you have any questions about electric heating systems? We know the answers. Do not hesitate to contact us. With us, perfect service does not end when we sell a product to you. With ETHERMA, you'll gain a reliable, loyal partner.



DESIGN.

Our heating is a true masterpiece.

Apart from efficiency and functionality, we attach special importance to an attractive design when we manufacture our products. Our heating systems match the overall picture of the living spaces, buildings and open spaces perfectly, they are invisible, or they can be integrated into the architecture as design elements. Our LAVA® GLAS Mirror Design infrared heating, for instance, is a fully-fledged mirror which, at the same time, gives off heat. And with the LAVAART infrared heating facilities, we magic true masterpieces onto your walls. The cosiness in your living space is the focus of our work. Because of the individual design options and wide variety of applications of our products, there are no architectural restrictions to our work.



INNOVATION.

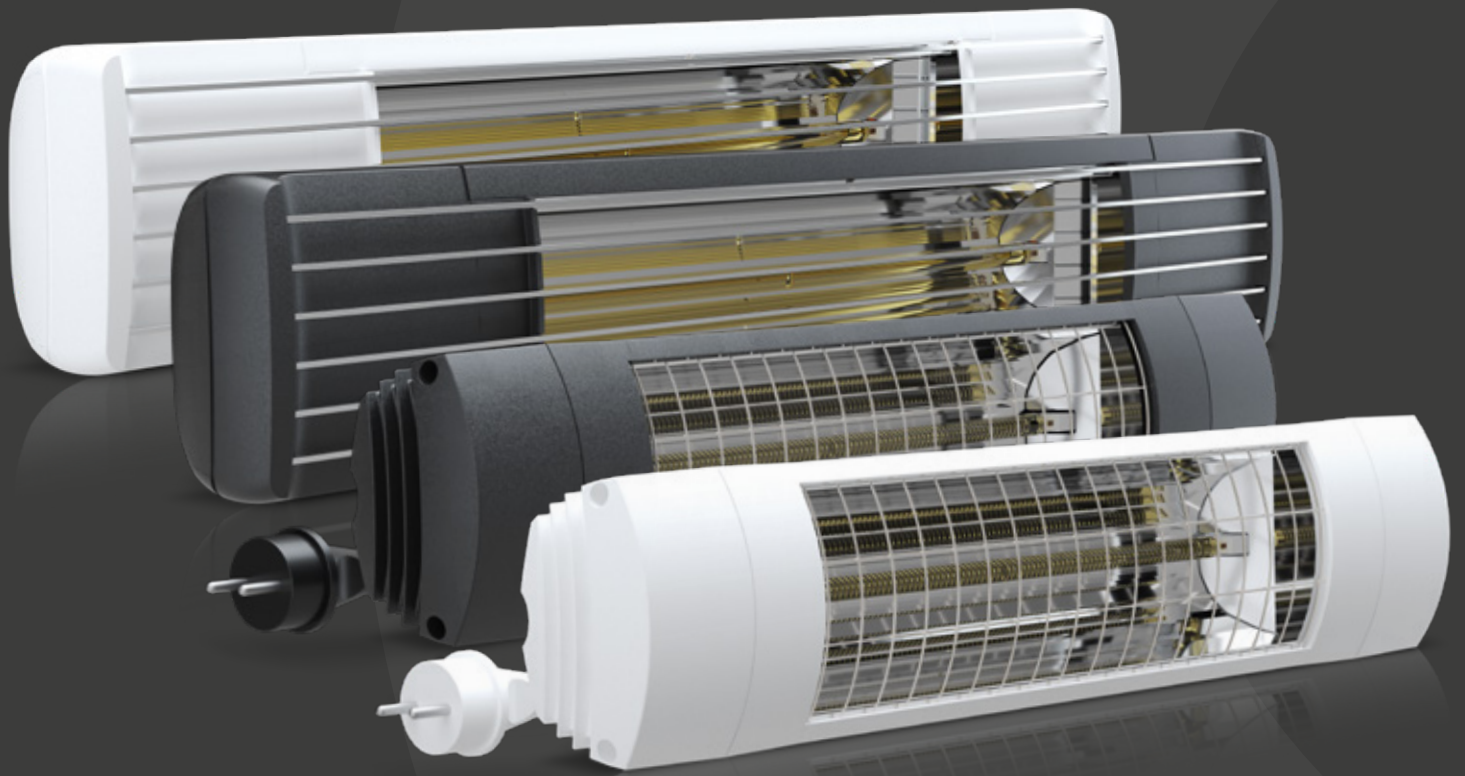
We've been thinking ahead for more than 40 years.

Peter Reiter, the company founder, has always lived up to his name. He was a real pioneer in the field of electric heating systems. Numerous patents are the result of his work. The first European thin-bed heating mat, for instance, was produced by our company. His son and successor, Thomas Reiter, is also working constantly on the advancement of our products and is actively committed to promoting the acceptance of electric heating systems. ETHERMA is also a co-founder of IG Infrarot. The innovative capacity in the fields of underfloor and infrared heating has characterised our company to date. ETHERMA creates series solutions from customer-specific products.

Member of
IG Infrared
simple. cosy. warm.

ETHERMA EXO

THE NEW GENERATION OF PREMIUM-INFRARED HEATER



TO THE BROCHURE



PREMIUM
INFRARED HEATER

www.etherma.com