



## *HEATING IN ITS FINEST FORMS*

Whether it's squared, stylish white, or elegant black, as heating in the bathroom or as a mirror, canvas, or school board in the kitchen, Ohle infrared panels offer well-nigh infinite options. Depending on the atmosphere and the available space, the array of shapes and sizes ensures the right model for any room.

## *SAVING GIVES YOU A SENSE OF COMFORT*

Heating with Ohle is a conscious choice: You ensure a pleasant atmosphere, prevent mould and flying dust, and you also consider your budget. With an Ohle infrared heater, you save lots of energy and money in comparison with other heating systems!

## *MARKET LEADER IN EUROPE*

The name Ohle stands for in-depth expertise in infrared heating and has been a major player on the German infrared heating market since 2004. Ohle infrared panels are now sold in various countries. This not only gives us a sense of pride, but also it makes us one of the market leaders in Europe in the field of infrared heating.





# THE MOST NATURAL HEATING METHOD

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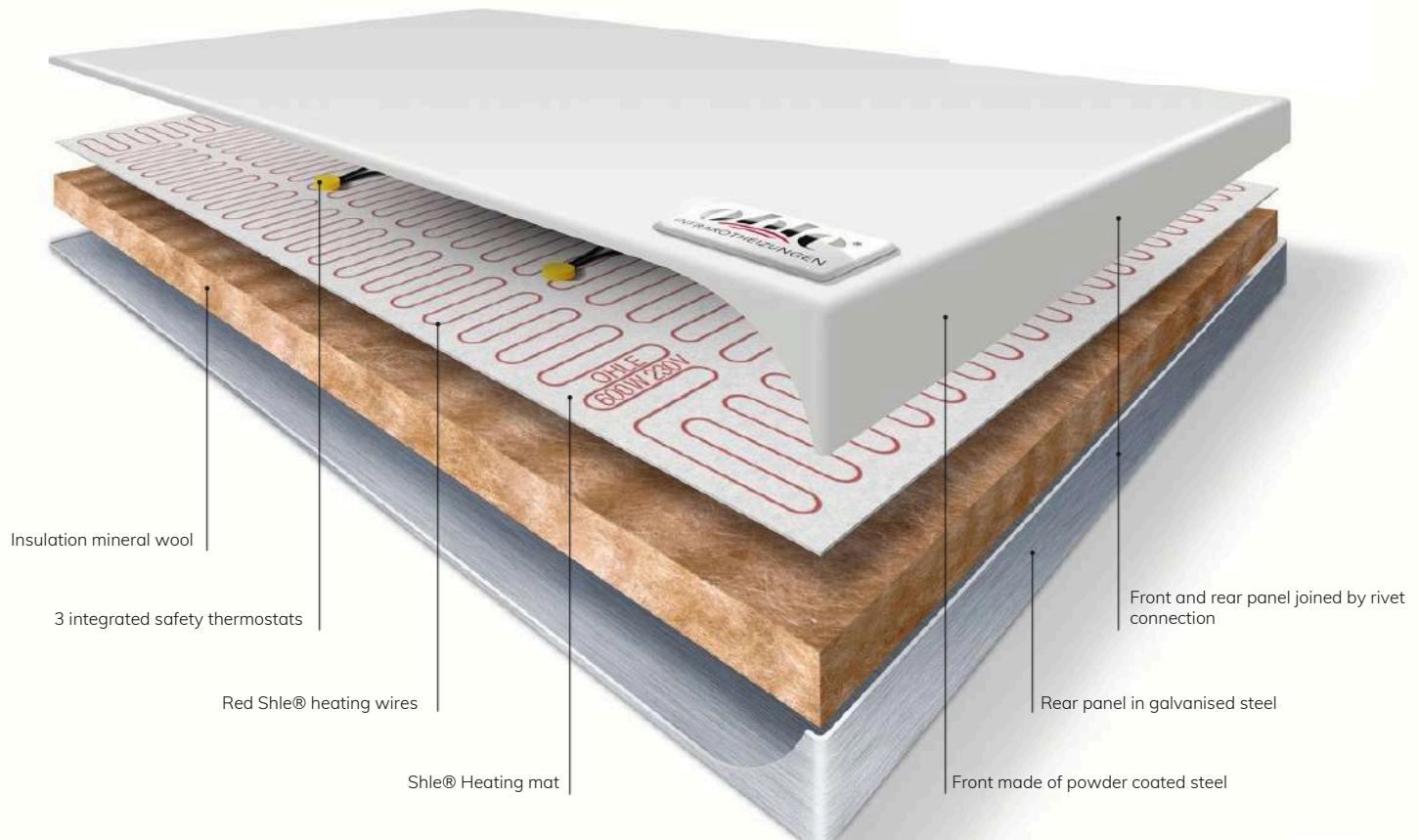
# THE BEST AND MOST RELIABLE INFRARED PANELS!

## WHY CHOOSE OHLE INFRARED PANELS:

- **100% German craft:**  
Guaranteed precision, reliability, and quality!  
Ohle is produced in Germany from A to Z.
- **15-year guarantee:**  
The biggest guarantee available on the market! Enjoy years  
of highly comfortable heat with peace of mind.
- **Highest infrared radiation percentage:**  
The higher the infrared radiation percentage, the easier and sooner it can heat all  
objects. Ohle is the only market player which communicates its infrared radiation  
percentages openly and also demonstrates them effectively! Know what you're buying!
- **Rapid heating:**  
Thanks to Ohle's special Shle-Technology, the panels will reach the correct  
temperature in just 5 to 10 minutes! This makes it really easy to set and adjust the  
temperature of Ohle panels.

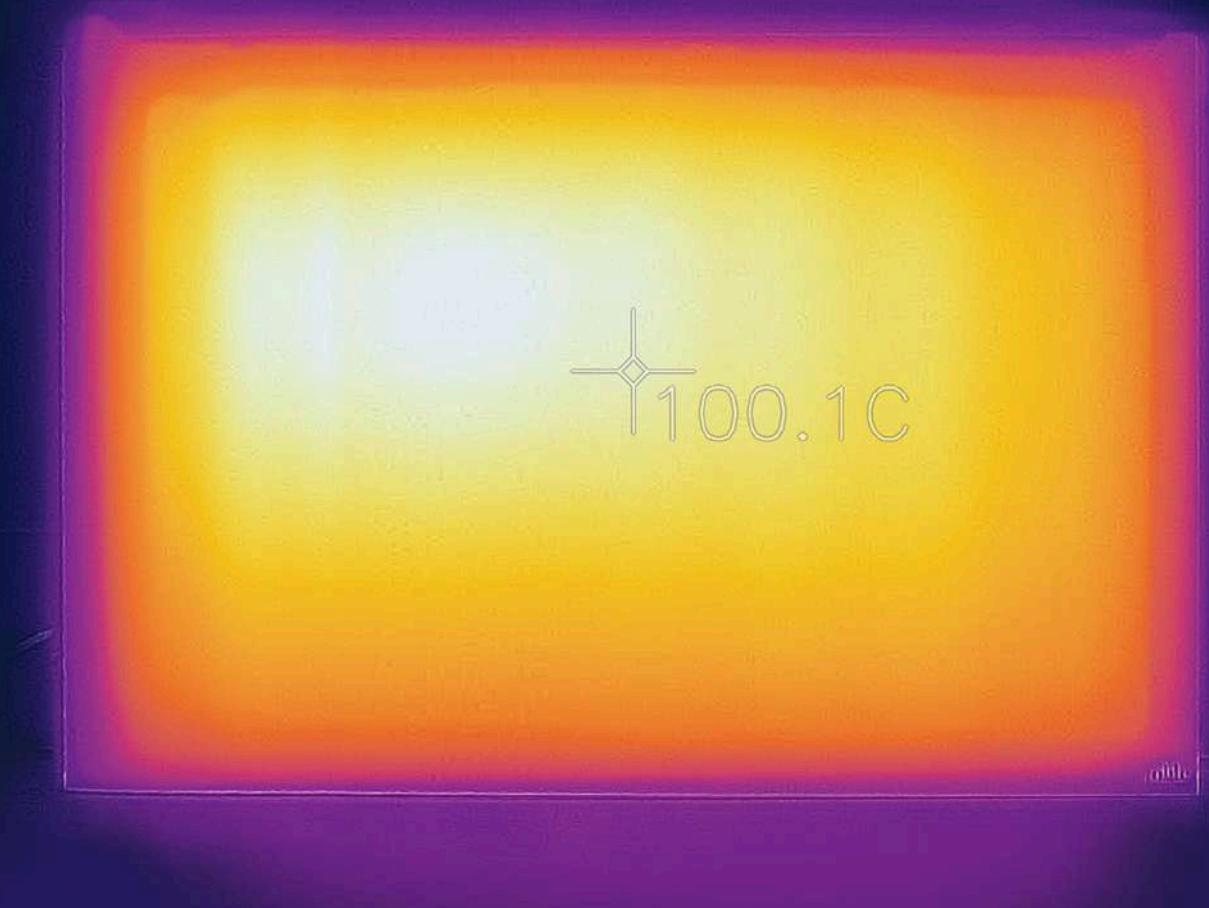


# INNOVATIVE AND PATENTED.



With our Shle® technology we are the first producer of infrared heating in Germany to offer a guarantee of 15 years! We supply proof of that in our production of heaters which have demonstrably been running for more than 100,000 operating hours. In practice, this comes to a lifespan of 84 years for an infrared heater!





## *THE FASTEST FROM 0 TO 100 IN 5 MINUTES!*

### **Thanks to Ohle's ultra-durable Shle® technology..**

We have been familiar with infrared heating systems since 2004. Nowadays, we can produce the fastest and most efficient infrared panels. Depending on the size of the panel, Ohle panels will reach the required temperature in just 5 minutes! This means that Ohle panels react rapidly and are also very easy to operate using a thermostat. The back of the Ohle SOTERMO infrared panels has an approximate temperature of a mere 40°C after 3 hours of use.

This is made possible by a special heating matrix. The electrical silver element is completely woven into our Ohle heating filter, a specially developed heating mat. This double insulated heating cable is fitted with a red silicone coat to ensure a long lifespan. Thanks to a centre-to-centre distance of 15mm, the electrical energy used is spread over the surface rapidly and evenly as heat so that an ideal and uniform spread of temperature is possible. Result: a high radiation efficiency and faster discernible radiation heat!

*LASTING COMFORT  
FOR ANY ROOM*





## OHLE - TERMOPUR

A TERMOPUR infrared panel is intended for those with a somewhat smaller budget. From a technical point of view, TERMOPUR is identical to the SOTERMO infrared panel. Visually, however, it stands out for its shiny structured surface and open edges. With this model we have omitted the most intricate part of the production process, namely welding and polishing the edges of each infrared panel.

For this reason we offer a **5-year** guarantee as standard on our TERMOPUR.

The TERMOPUR is suitable for fitting on walls and ceilings and is supplied with a 1.7m connection cable with a Wieland plug.

The panel is ideal for less used or secondary rooms such as guest rooms, storerooms, the hall, etc.



Product	Dimensions	Wattage	Weight	IP
TERMOPUR 200	60 x 30 cm	200 W	4 kg	20
TERMOPUR 400	60 x 60 cm	400 W	7 kg	20
TERMOPUR 500	40 x 120 cm	500 W	9 kg	20
TERMOPUR 600	60 x 90 cm	600 W	10 kg	20
TERMOPUR 650	40 x 150 cm	670 W	12 kg	20
TERMOPUR 700	40 x 180 cm	750 W	14 kg	20
TERMOPUR 800	60 x 120 cm	800 W	14 kg	20
TERMOPUR 1000	60 x 150 cm	1000 W	16 kg	20
TERMOPUR 1200	60 x 180 cm	1200 W	20 kg	20
TERMOPUR 1300	80 x 150 cm	1250 W	21 kg	20
TERMOPUR 1500	80 x 180 cm	1550 W	25 kg	20

## TECHNICAL DATA

<b>Surface</b>	1mm sheet steel, powder coated, signal white (RAL 9016), shiny surface
<b>Rear panel</b>	1mm galvanised sheet steel
<b>Voltage</b>	230 volts, 50 Hz
<b>Protection class</b>	IP20 (not suitable for damp rooms)
<b>Fitting</b>	For fitting on walls and ceilings



## OHLE - SOTERMO FLAT

The frameless, plain white, and matt powder coated SOTERMO Flat infrared panel suits any interior. It can also be supplied with LED lighting - see page 26.

The entire SOTERMO line stands out for its fully finished design: Even the most intricate part of the production process, namely welding and polishing the edges, is carried out here to perfection!

Thanks to the effective thermal insulation, the rear side of the SOTERMO retains a temperature of about 40 to 45°C, even after three hours of use.

The special Shle-technology means that Ohle panels reach the required temperature within just 5 minutes. They react exceptionally quickly and, moreover, they are very easy to operate with a thermostat.

The SOTERMO Flat is suitable for fitting on walls and ceilings and is supplied with a 1.7m connection cable with a Wieland plug.

Thanks to our Shle-technology, we are the first producer of infrared heating in Germany to offer a guarantee of **15 years** on all SOTERMO models!



Product	Dimensions	Wattage	Weight	IP
SOTERMO Flat 200	60 x 30 cm	200 W	4 kg	44
SOTERMO Flat 400	60 x 60 cm	400 W	7 kg	44
SOTERMO Flat 500	40 x 120 cm	500 W	9 kg	44
SOTERMO Flat 600	60 x 90 cm	600 W	10 kg	44
SOTERMO Flat 650	40 x 150 cm	670 W	12 kg	44
SOTERMO Flat 700	40 x 180 cm	750 W	14 kg	44
SOTERMO Flat 800	60 x 120 cm	800 W	14 kg	44
SOTERMO Flat 1000	60 x 150 cm	1000 W	16 kg	44
SOTERMO Flat 1200	60 x 180 cm	1200 W	20 kg	44
SOTERMO Flat 1300	80 x 150 cm	1250 W	21 kg	44
SOTERMO Flat 1500	80 x 180 cm	1550 W	25 kg	44

## TECHNISCHE DATA

<b>Surface</b>	1mm sheet steel, powder coated, traffic white (RAL 9016), matt fine structure
<b>Rear panel</b>	1mm galvanised sheet steel
<b>Voltage</b>	230 volts, 50 Hz
<b>Protection class</b>	IP44 (suitable for damp rooms such as bathrooms)
<b>Fitting</b>	For fitting on walls and ceilings



## OHLE - SOTERMO PIC

If you want to give your interior a touch of aesthetics, an infrared photoheater is the perfect choice. The pleasant heat radiates from your favourite photograph, which we print on the heating panel. Your new infrared heating is frameless and fits easily into your living room. Give free rein to your creativity and we will turn it into a splendid infrared panel.

You can also draw inspiration via the website [www.stock.adobe.com/de](http://www.stock.adobe.com/de). There you will find endless attractive images. Just give us the number of the photograph and we will do the rest.

Thanks to the effective thermal insulation, the rear side of the SOTERMO retains a temperature of about 40 to 45°C, even after three hours of use.

The special Shle-technology means that Ohle panels reach the required temperature within just 5 minutes. They react exceptionally quickly and, moreover, they are very easy to operate with a thermostat.

The SOTERMO Pic is supplied with a 1.7m connection cable with a Wieland plug.



Product	Dimensions	Wattage	Weight	IP
SOTERMO Pic 200	60 x 30 cm	200 W	4 kg	44
SOTERMO Pic 400	60 x 60 cm	400 W	7 kg	44
SOTERMO Pic 500	40 x 120 cm	500 W	9 kg	44
SOTERMO Pic 600	60 x 90 cm	600 W	10 kg	44
SOTERMO Pic 700	40 x 180 cm	750 W	14 kg	44
SOTERMO Pic 800	60 x 120 cm	800 W	14 kg	44
SOTERMO Pic 1000	60 x 150 cm	1000 W	16 kg	44
SOTERMO Pic 1200	60 x 180 cm	1200 W	20 kg	44
SOTERMO Pic 1300	80 x 150 cm	1250 W	21 kg	44
SOTERMO Pic 1500	80 x 180 cm	1550 W	25 kg	44

## TECHNICAL DATA

<b>Surface</b>	1mm sheet steel, powder coated, smooth fine-shiny
<b>Rear panel</b>	1mm galvanised sheet steel
<b>Voltage</b>	230 volts, 50 Hz
<b>Protection class</b>	IP44 (suitable for damp rooms such as bathrooms)
<b>Fitting</b>	For fitting on walls



## OHLE - SOTERMO DESIGN

Wall heating and schoolboard in one? Yes, that works!

This panel has a matt enamelled surface which is scratch-resistant, magnetic, and durable. The ideal solution for your kitchen, children's room, office, or hospitality area. Thanks to this unique combination, you can save space and at the same time add a stylish and functional element to your interior. The panel is easy to fit and can be written on with chalk or markers or used with magnets.

Thanks to the effective thermal insulation, the rear side of the SOTERMO retains a temperature of about 40 to 45°C, even after three hours of use.

The special Shle-technology means that Ohle panels reach the required temperature within just 5 minutes. They react exceptionally quickly and, moreover, they are very easy to operate with a thermostat.

The SOTERMO Design is supplied with a 1.7m connection cable with a Wieland plug.



Product	Dimensions	Wattage	Weight	IP
SOTERMO Design 600	60 x 90 cm	600 W	10 kg	65
SOTERMO Design 800	60 x 120 cm	800 W	14 kg	65
SOTERMO Design 1000	60 x 150 cm	1000 W	16 kg	65

## TECHNICAL DATA

<b>Surface</b>	1mm sheet steel, enamelled, graphite black (RAL 9011), matt fine structure
<b>Rear panel</b>	1mm galvanised sheet steel
<b>Voltage</b>	230 volts, 50 Hz
<b>Protection class</b>	IP65 (completely dustproof, resistant to water jets)
<b>Fitting</b>	For fitting on walls



## OHLE - SOTERMO COLOUR

Thanks to a high-quality powder coating in any required RAL colour, you can harmonise the front of the infrared panel to suit your interior perfectly as regards colour. With a matt finish, we produce a panel which suits the colour of your wall or ceiling perfectly.

The panel is fitted flat on the surface and can be positioned both horizontally and vertically.

Thanks to the effective thermal insulation, the rear panel of the SOTERMO retains a temperature of about 40 to 45°C, even after three hours of use.

The special Shle-technology means that Ohle panels reach the required temperature within just 5 minutes. They react exceptionally quickly and they are very easy to operate with a thermostat.

The SOTERMO Colour is suitable for fitting on walls and ceilings and is supplied with a 1.7m connection cable with a Wieland plug.



Product	Dimensions	Wattage	Weight	IP
SOTERMO Color 200	60 x 30 cm	200 W	4 kg	44
SOTERMO Color 400	60 x 60 cm	400 W	7 kg	44
SOTERMO Color 500	40 x 120 cm	500 W	9 kg	44
SOTERMO Color 600	60 x 90 cm	600 W	10 kg	44
SOTERMO Color 700	40 x 180 cm	750 W	14 kg	44
SOTERMO Color 800	60 x 120 cm	800 W	14 kg	44
SOTERMO Color 1000	60 x 150 cm	1000 W	16 kg	44
SOTERMO Color 1200	60 x 180 cm	1200 W	20 kg	44
SOTERMO Color 1300	80 x 150 cm	1250 W	21 kg	44
SOTERMO Color 1500	80 x 180 cm	1550 W	25 kg	44

## TECHNICAL DATA

<b>Surface</b>	1mm sheet steel, powder coated, matt fine structure, RAL colour as required
<b>Rear panel</b>	1mm galvanised sheet steel
<b>Voltage</b>	230 volts, 50 Hz
<b>Beschermingsklasse</b>	IP44 (suitable for damp rooms such as bathrooms)
<b>Fitting</b>	fitting on walls and ceilings



## OHLE - SOTERMO STYLE

We all know the feeling. You stand in front of the mirror in the morning, you get yourself ready for the day, and try to wake up. What if you could make that moment a little more pleasant? Mirror heating gives you comfort and soothing heat. Ideal for the bathroom, hall, or bedroom: A mirror which radiates warmth is functional and ambient.

As you see yourself in the mirror, you feel both heat and well-being: Infrared heating is medically safe, generates a healthy atmosphere, and can even contribute positively to your vitality.

With many infrared mirrors the glass is often somewhat darker in colour, but that is not the case with Ohle mirrors! Our mirrors have light mirror glass, and that is precisely what you are used to.

This product can also be supplied with LED lighting - see page 28.

The SOTERMO Style is supplied with a 1.7m connection cable with a Wieland plug.



Product	Dimensions	Wattage	Weight	IP
SOTERMO Style 400	65 x 65 cm	400 W	9 kg	44
SOTERMO Style 600	95 x 65 cm	600 W	11 kg	44
SOTERMO Style 800	125 x 65 cm	800 W	15 kg	44
SOTERMO Style 1000	155 x 65 cm	1000 W	18 kg	44

### TECHNICAL DATA

<b>Surface</b>	Glass front with rounded corners
<b>Rear panel</b>	1mm galvanised sheet steel
<b>Voltage</b>	230 volts, 50 Hz
<b>Protection class</b>	IP44 (suitable for damp rooms such as bathrooms)
<b>Fitting</b>	For fitting on walls



## OHLE - SOTERMO TERMOLUXO

Do you know that splendid feeling after you have showered and wrapped a warm towel around yourself? The innovative Termoluxo from SOTERMO makes that comfort a permanent part of your day. Your towel is warmed up in no time at all, just like your bathroom, but that's BEFORE you step into the shower.

You can use the SOTERMO Termoluxo to heat the bathroom as well to get extra benefit. The floor and walls are also warmed up. Everything feels comfortable, even in you go barefoot. You not only enjoy dry towels, but also a cosy warm room where lingering is always a pleasure.

Thanks to the effective thermal insulation, the rear panel of the SOTERMO retains a temperature of about 40 to 45°C, even after three hours of use.

The special Shle-technology means that Ohle panels reach the required temperature within just 5 minutes. They react exceptionally quickly and, moreover, they are very easy to operate with a thermostat.

The SOTERMO Termoluxo is supplied with a 1.7m connection cable with a Wieland plug.



Product	Dimensions	Wattage	IP
SOTERMO Termoluxo 400 Incl. 1 white towel bracket	40 x 90 cm	400 W	44
SOTERMO Termoluxo 500 Incl. 1 white towel bracket	40 x 120 cm	500 W	44
SOTERMO Termoluxo 600 Incl. 1 white towel bracket	60 x 90 cm	600 W	44
SOTERMO Termoluxo 670 Incl. 1 white towel bracket	40 x 150 cm	670 W	44
SOTERMO Termoluxo 800 Incl. 1 white towel bracket	60 x 120 cm	800 W	44
SOTERMO Termoluxo 820 Incl. 1 white towel bracket	40 x 180 cm	820 W	44
SOTERMO Termoluxo 1000 Incl. 1 white towel bracket	60 x 150 cm	1000 W	44
SOTERMO Termoluxo 1250 Incl. 1 white towel bracket	60 x 180 cm	1250 W	44

### Towel bracket in stainless steel

- Supplied as standard with a white towel bracket (RAL 9016).
- For a higher price it can also be supplied with a high-quality stainless steel towel bracket.
- Extra towel brackets (white or stainless steel) are available as an option.

### TECHNICAL DATA

<b>Surface</b>	1mm sheet steel, powder coated, traffic white (RAL9016), matt fine structure
<b>Rear panel</b>	1mm galvanised sheet steel
<b>Voltage</b>	230 volts, 50 Hz
<b>Protection class</b>	IP44 (suitable for damp rooms such as bathrooms)
<b>Fitting</b>	For fitting on walls



## OHLE - SOTERMO DESK

With an infrared desk heater you achieve something which is so hard to achieve with a conventional radiator! You heat the cool work station without drying the air out.

The SOTERMO Desk and Desk Maxi desk heaters from Ohle are really easy to install either under or behind the desktop. They are small and flat, they weigh very little, and they are virtually invisible. Our desk heaters are ecological, highly economical in consumption, and they consume solely sustainable energy. You simply enjoy infrared heat without a care in the world - delightful!

The rear panel of the SOTERMO Desk is effectively thermally insulated.

The special Shle-technology means that it reaches the required temperature within just 5 minutes and achieves a maximum and safe temperature of 65°C.

The SOTERMO Desk is supplied with a 1.7m connection cable with a Wieland plug.



Product	Dimensions	Wattage	Weight	IP
SOTERMO Desk	26,50 x 65,50 cm	90 W	2,5 kg	20
SOTERMO Desk Maxi	46,00 x 61,40 cm	200 W	2,8 kg	20

## TECHNICAL DATA

<b>Surface</b>	Sheet steel, powder coated, pure white (RAL 9010), smooth matt
<b>Rear panel</b>	Zinc coated and riveted steel sheet
<b>Spanning</b>	230 volts, 50 Hz
<b>Beschermingsklasse</b>	IP20 (not suitable for damp rooms)
<b>Montage</b>	For fitting under the desk



## OHLE - SOTERMO GRID

These rectangular heating elements are designed specially for suspended ceilings and can be fitted easily in existing holders. They save huge amounts of space and are completely unobtrusive thanks to the glare-free white surface. This means that they can hardly be distinguished from other ceiling tiles. Whether we are talking about an open office, corridor, or training area, the Ohle Grid is the best choice for any space where heat needs to be generated quickly and efficiently e.g. directly over a work station!

Thanks to the effective thermal insulation, the rear panel of the SOTERMO retains a temperature of about 40 to 45°C, even after three hours of use.

The special Shle-technology means that Ohle panels reach the required temperature within just 5 minutes. They react exceptionally quickly and, moreover, they are very easy to operate with a thermostat.

The SOTERMO Grid is supplied with a 1.7m connection cable with a Wieland plug.



Product	Dimensions	Wattage	Weight	IP
SOTERMO Grid 60	59.20 x 59.20 cm	400 W	6 kg	44
SOTERMO Grid 62	61.80 x 61.80 cm	400 W	6 kg	44

## TECHNICAL DATA

<b>Surface</b>	1mm sheet steel, powder coated, smooth matt, signal white (RAL 9003)
<b>Rear panel</b>	1mm galvanised steel sheet
<b>Voltage</b>	230 volts, 50 Hz
<b>Protection class</b>	IP44 (suitable for damp rooms)
<b>Fitting</b>	For in suspended ceilings

warm light

warm and cold light (only with the Duo)



## OHLE – LIGHT FRAME WITH LED LIGHTING

Experience the perfect combination of heat and light with the Ohle light frame. Apart from pleasant heat, the Ohle light frame also offers excellent LED lighting.

You can opt for warm light or a combination of warm and white light (Duo).

With an output of 133lm/W and a light flux of 1272lm/m, the light frame provides bright light for your room. Thanks to the practical dim function, you can easily adjust the intensity of the light. It is easy to control the light using the supplied remote control.

The brightness can be set at 25%, 50%, 75%, or 100%, as required, for a cosy atmosphere or bright light for working.

The light frame combines the benefits of our high-quality infrared panels with the latest LED technology and provides pleasant light in any room.



Product	Dimensions	Wattage	Weight
Light frame 400 Warm	60 x 60 cm	23 W	1,5 kg
Light frame 500 Warm	40 x 120 cm	31 W	2,0 kg
Light frame 600 Warm	60 x 90 cm	29 W	2,0 kg
Light frame 800 Warm	60 x 120 cm	35 W	2,5 kg
Light frame 1000 Warm	60 x 150 cm	40 W	2,5 kg
Light frame 400 <b>Duo</b>	60 x 60 cm	46 W	1,5 kg
Light frame 500 <b>Duo</b>	40 x 120 cm	62 W	2,0 kg
Light frame 600 <b>Duo</b>	60 x 90 cm	58 W	2,0 kg
Light frame 800 <b>Duo</b>	60 x 120 cm	70 W	2,5 kg
Light frame 1000 <b>Duo</b>	60 x 150 cm	80 W	2,5 kg

These products can be supplied in:

- **IP 20** (not suitable for damp rooms)
- **IP 44** (suitable for bathrooms)



## OHLE - SPIEGELVERLICHTING

Product	Wattage	Weight	Internal dimensions
Indirect light 400	39 W	1,5 kg	Fitted at the back
Indirect light 600	48 W	2,0 kg	Fitted at the back
Indirect light 800	57 W	2,5 kg	Fitted at the back
Indirect light 1000	66 W	3,0 kg	Fitted at the back
Direct light 400	39 W	1,5 kg	65 x 65 cm
Direct light 600	48 W	2,0 kg	95 x 65 cm
Direct light 800	57 W	2,5 kg	125 x 65 cm
Direct light 1000	66 W	3,0 kg	155 x 65 cm

- **IP24** (suitable for bathrooms)
- Continuously dimmable



## *OHLE – BASE FOR INFRARED PANELS*

Description	Dimensions
SOTERMO Stand	25.50 x 3.5 x 3 x 22 cm
SOTERMO Mobile (+ wheels)	25.50 x 3.5 x 3 x 28.50 cm

- Powder coated matt, traffic white (RAL 9016)

# *SUMMARY OF DIMENSIONS*



# FITTING AND DRILLING SPACES

## The Ohle fitting system

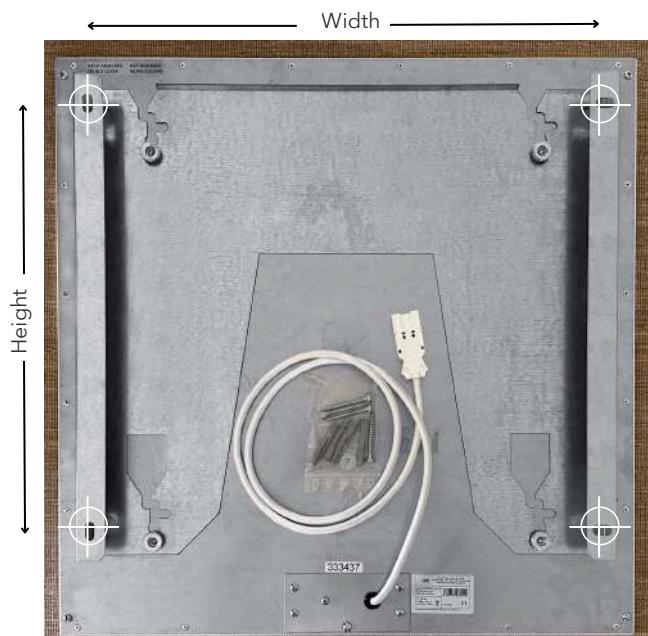
The following premise applies to many of our heaters: The wattage is proportional to the dimensions of the fitting. And so, for the types of heaters below you can easily determine the required drilling space on the basis of the capacity.



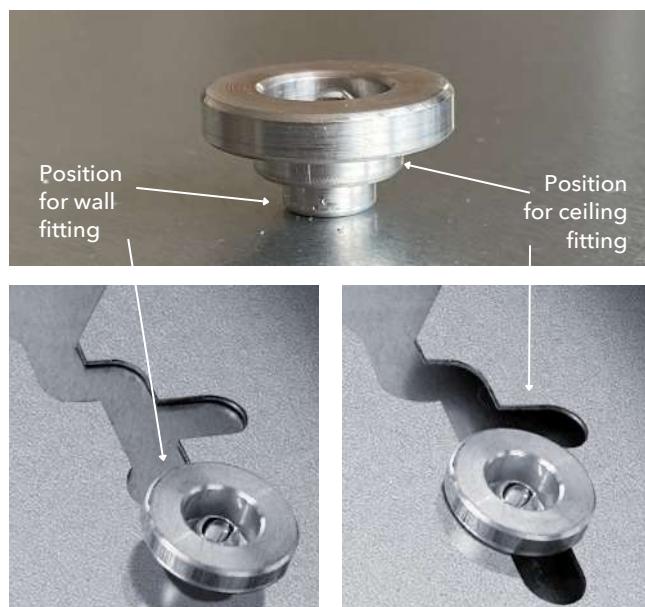
Panel	Wattage (W)	height x width (mm)
200	200	250 x 220
400	400	420 x 500
500	500	220 x 900
600	600	420 x 500
650	670	220 x 1100
700	750	220 x 1100
800	800	420 x 900
1000	1000	420 x 1100
1200	1200	420 x 1100
1300	1250	420 x 1100
1500	1550	420 x 1100

Key to the chart above: The fitting of an infrared panel of 800 watts requires drill holes with spaces of 420mm (height) and 900mm (width).

## Drilling space



## The correct mounting



Control via  
smartphone/tablet



1.



3.



2.



4.



## SALUS THERMOSTAT SMART HOME (APP)

Product	Description	Dimensions
1. SALUS Gate UGE600	Interface between router and Salus thermostats for control via Internet, smartphone, or tablet	90 x 90 x 55 mm
2. SALUS Relais UP	Fixed receiver mounted/built-in 16 A smart home	45 x 45 x 20 mm
3. SALUS Quantum wit	Slimline programmable cable-free thermostat including magnetic wall fitting plate, weekly programme, and battery	86 x 86 x 11 mm
4. SALUS Quantum zwart (optioneel)	Slimline programmable cable-free thermostat including magnetic wall fitting plate, weekly programme, and battery	86 x 86 x 11 mm

## SALUS 615 Thermostat Set



## SALUS 615 Receiver



### *SALUS 615 THERMOSTAT SET*

#### **Thermostat set comprising:**

Cable-free transmitter, programmable with weekly programme and day/night reduction. SALUS Receiver for fixed wiring (fitting, 10A)

#### **DIMENSIONS**

##### **Thermostat:**

86 x 86 x 11 mm

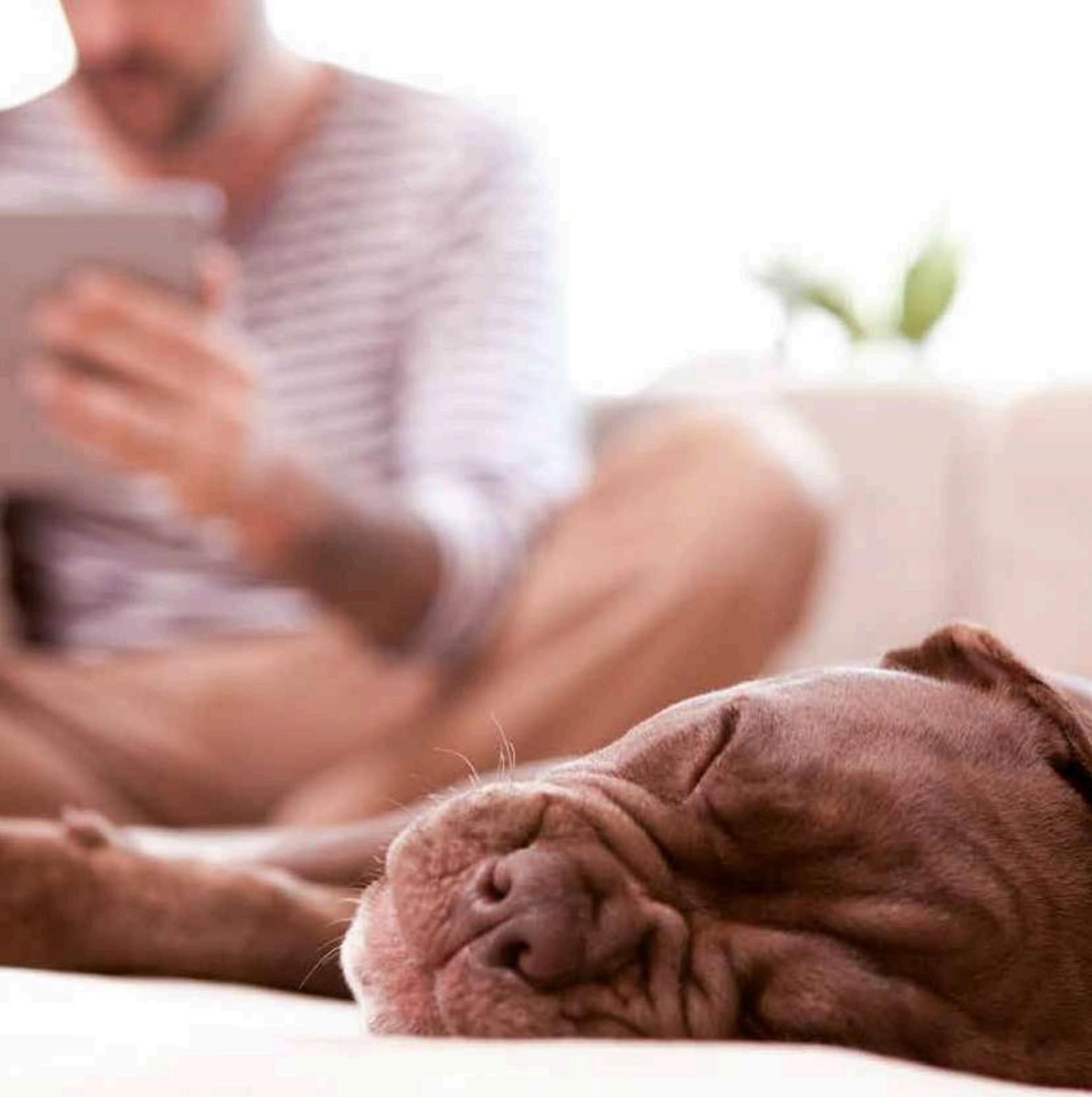
##### **Receiver:**

99 x 99 x 23 mm

**If there is more than one infrared panel in one room, each panel needs its own receiver.**

SALUS 615 Ontvanger AP

99 x 99 x 23 mm



*RELAXATION WITH ONE  
PRESS OF THE BUTTON.*

## Health and well-being through Infrared

Studies have shown that long-wave infrared C thermal radiation has a positive effect on health and can therefore be considered as completely safe. Just like the heat radiation of classic tile heating, the thermal rays of our Ohle infrared panels even help with physical health. That is something beyond the capabilities of traditional heating systems!



### Studies show that infrared C thermal radiation in the range from 7 to 14 micrometres can achieve the following:

- Stimulate better blood circulation and a more active metabolism.
- Increase the oxygen level in the blood.
- Foster and support skin respiration.
- Lead to faster cell regeneration.

Ohle infrared panels do not use air to transfer heat. The radiation heat warms up directly everything which is present in a room (e.g. floor, walls, furniture, etc.) to minimise air turbulence.

Since air is one of the most important nutrients for the human body, this technology offers clear benefits! Since air is not used to transport heat, the air remains largely free of burdens such as fine dust. This creates a pleasant indoor climate without the customary dust circulation, and that is a big plus point, especially for people with health issues such as asthma or allergies.

It's not only this target group which enjoys the benefit of a comfortable indoor climate. Everyone in the room can enjoy the increased comfort and well-being which this heating solution offers!

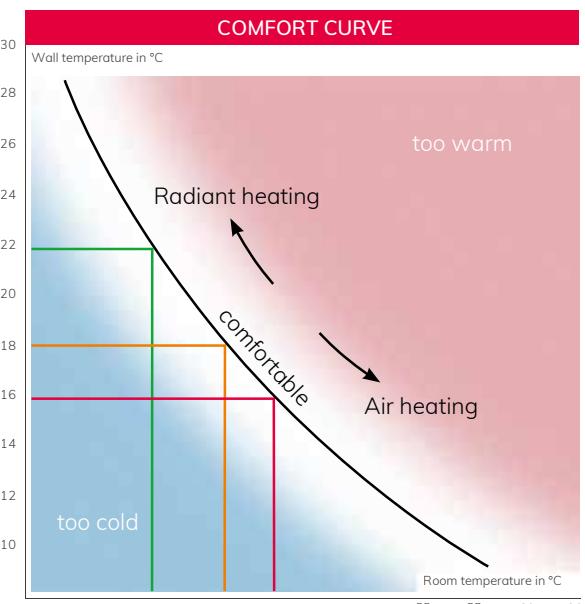
## I love comfort

The heating system plays a crucial part in ensuring that people feel comfortable in a room. This involves more than just the room temperature. The relative humidity, air circulation, and, in particular, the surfaces in the room also have a major influence. For instance, the room temperature can be lower if the warmer wall surfaces provide 'thermal comfort'.

'Thermal comfort' describes the influence of various factors on someone's subjective perception of heat. The most important factor here is not only that people feel comfortable, but also that this is achieved with as little energy consumption as possible.

People feel thermally comfortable when the wall temperature and the air temperature in the room are about 36 to 40°C. This can be achieved through various combinations, as shown in the diagram below.

Ohle infrared panels achieve this comfort with considerably less energy consumption than classic heaters. A room temperature of 16°C and a wall temperature of 20°C are adequate to sustain a comfortable physiological temperature of 18°C in the living room. By contrast, an 'air heater' has to raise the room temperature to 21°C to achieve the same comfort level with a wall temperature of 16°C, but this requires more energy. Since higher wall temperatures are hardly possible with reasonable energy consumption, the only option is to raise the room temperature further. However, this tends to create the well known heat pockets under the ceiling, but warm walls are more pleasant than cold walls. Ohle infrared panels not only heat the walls, but they also dry them out so that they, in turn, serve to store the retained heat energy.



# EUROPEAN CERTIFICATES

## EIHA CERTIFICATES

**Ohle means maximum safety and quality in accordance with all EU standards.**

### Quality label for infrared heating - EIHA Quality Label:

Infrared heating is now being used increasingly to make buildings more sustainable. More and more brands of infrared panels are coming onto the market, but are they in fact '**real**' infrared panels?

Infrared panels should be capable of creating a comfortable indoor climate with radiation heat. This is only possible if a minimal share of the energy (which enters the panel), is converted into radiation heat.

Since 2022, it has been possible to test this effectively in accordance with the first standardization for infrared panels.

IEC60675-3 = the standard of the International Electrical Commission.

Ohle had its infrared panels tested independently at once in September 2022 by Peutz and has applied the IEC60675-3 standardisation since then!

Ohle has a radiation share of no less than 69.6% and that is higher than virtually all other trademarks available on the market!

Basically, a figure above 70% is neither feasible nor achievable with infrared panels!

And so, Ohle is one of the few who can be proud to bear this '**quality label**'!





# TEST RESULTS

Results in accordance with DIN EN IEC 60675-3 noted by the TU in Dresden

Product	Wattage	Heating surface	Heating time	Radiation percentage
SOTERMO Flat 400	400w	0,36 m2	approx. 5 min	max. 55,6 %
SOTERMO Flat 500	500w	0,48 m2	approx. 5 min	max. 58,0 %
SOTERMO Flat 600	600w	0,54 m2	approx. 5 min	max. 59,2 %
SOTERMO Flat 700	750w	0,72 m2	approx. 5 min	max. 62,8 %
SOTERMO Flat 800	800w	0,72 m2	approx. 5 min	max. 62,8 %
SOTERMO Flat 1000	1000w	0,90 m2	approx. 5 min	max. 64,5 %
SOTERMO Flat 1200	1200w	1,08 m2	approx. 5 min	max. 66,2 %
SOTERMO Flat 1300	1250w	1,20 m2	approx. 5 min	max. 67,3 %
SOTERMO Flat 1500	1550w	1,44 m2	approx. 5 min	max. 69,6 %

# EUROPEAN CERTIFICATES

## IGEF CERTIFICATES

An IGEF certificate means that an independent body has assessed the product, in this case Ohle infrared panels, and confirmed that it complies with the requirements established by IGEF.

### Extremely low electromagnetic radiation:

This means that Ohle infrared panels are designed and constructed in such a way that there is only minimal radiation from electromagnetic fields.

### Why is this important?

#### • Trust

The certificate assures users that the product meets high safety standards.

#### • Health

As well as the aforementioned safety and trust, an IGEF certificate can contribute to the general health of users by minimising the exposure to electromagnetic radiation.



## TÜV CERTIFICATE

This TÜV certificate ('Technischer Überwachungsverein' in German) is a quality label which indicates that Ohle infrared panels meet the strict requirements of the Law regarding the safety, quality, and/or environmental friendliness of apparatus and products (GPSG). These requirements include the guarantee of the preservation of health and safety.

### More details:

#### • Safety

The certificate proves that all Ohle products are safe for use and meet all the relevant safety standards.

#### • Quality

The TÜV certificate is also a guarantee of the quality of Ohle infrared panels.

#### • Sustainability

The TÜV certificate can also prove that a product is ecological.

#### • Reliability

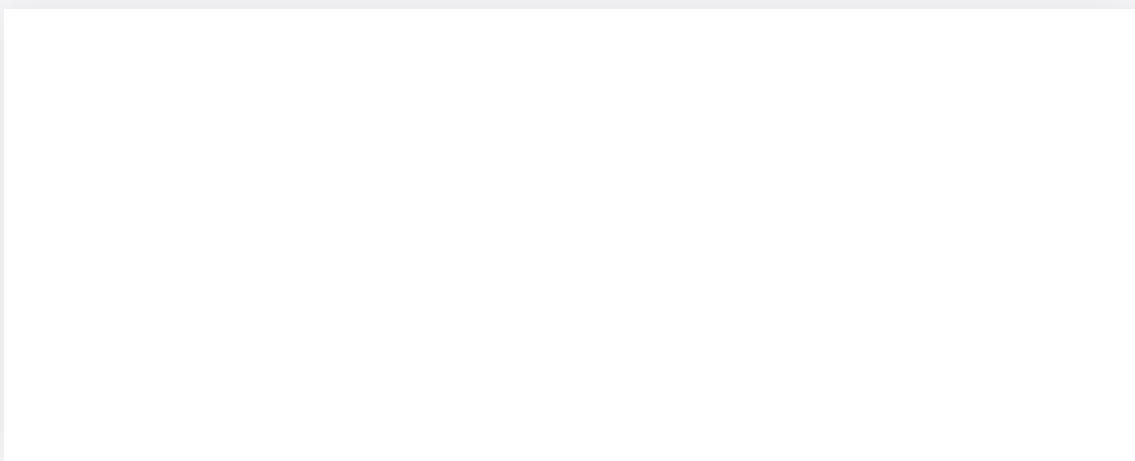
The TÜV quality label assures potential customers and partners that they are doing business with a reliable party, which meets strict requirements and which is demonstrably competent is.

#### • Legal requirements

The certificate proves that Ohle products meet the legal requirements and legislation.



# *NOTES:*



Our products carry the following functional guarantees: 15 years for SOTERMO infrared heating, 5 years for Termopur infrared heating, 2 years for SALUS thermostats, and 2 years for all LED lighting.



Scan de QR code for more information.

IN2-Trading: European distributor for Ohle infrared panels  
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