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# REDHEAT

*NEW HEATING SOLUTIONS*

PRODUCTS AND SYSTEMS FOR LOCALIZED INFRARED HEATING

*EFFICIENT, ECOLOGICAL, SAFE*

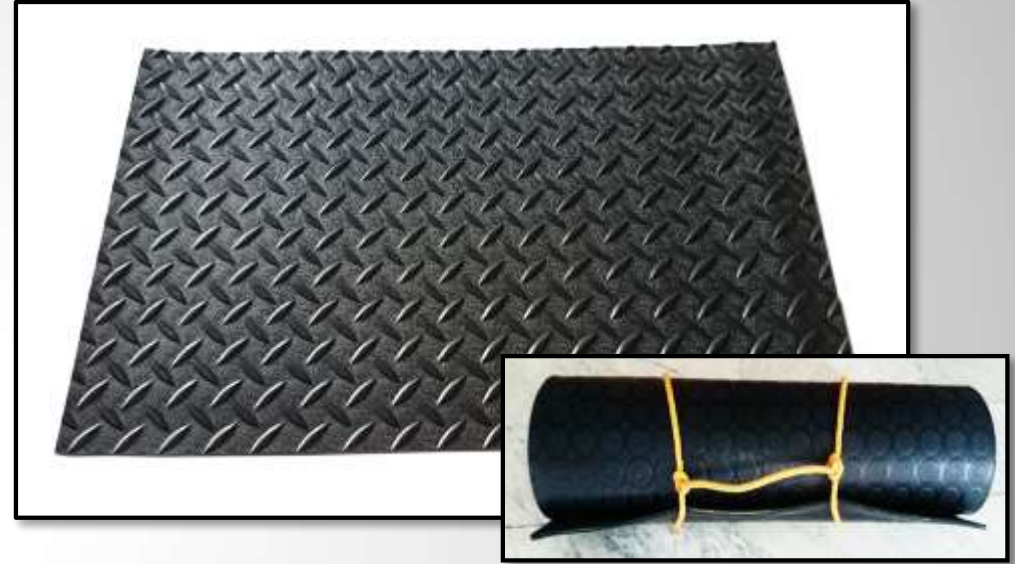
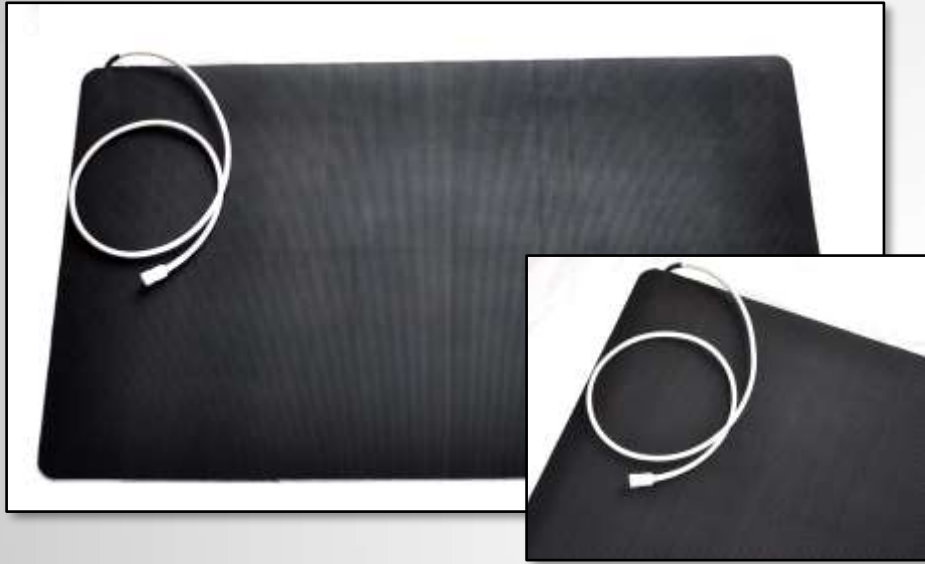


*The sun inside*



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**INNOVATIVE RUBBER HEATING FLOORS**



**RADIATING ELECTRICAL FLOORING WITH HIGH SECURITY AND EFFICIENCY**

**STRONG AND DURABLE WITH CUSTOM FINISHING**

**QUICK AND EASY INSTALLATION, NON INVASIVE, REMOVABLE AND REPOSITIONABLE**

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# RED CARPET

**RED CARPET HEATING SYSTEMS ARE POWERED ONLY WITH VERY LOW VOLTAGE (24-30 volts)**

**CONNECTION TO 230 VOLT ELECTRICAL POWER IS MADE THROUGH OUR SPECIAL ADAPTERS CLASS II SELV SPECIALLY DESIGNED AND BUILT.**



- **SILENT** *(No moving parts)*
- **SAFE** *(Isolated and with double protection)*
- **LONG LASTING** *(First quality electrical components)*

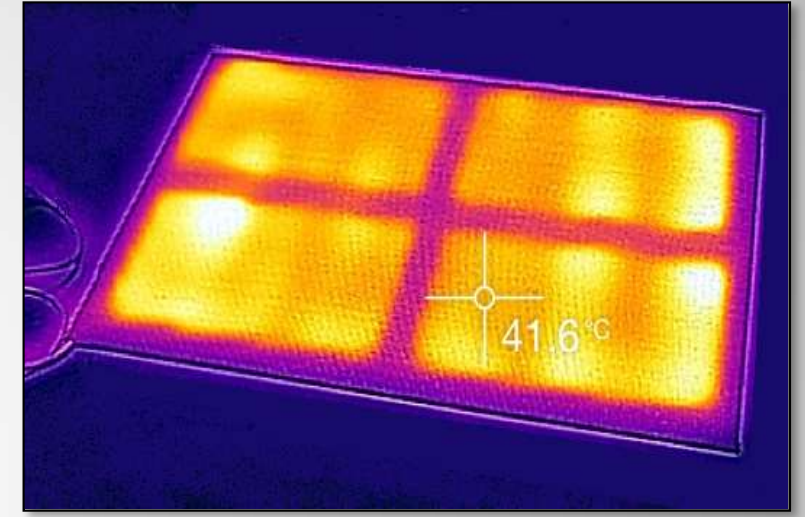
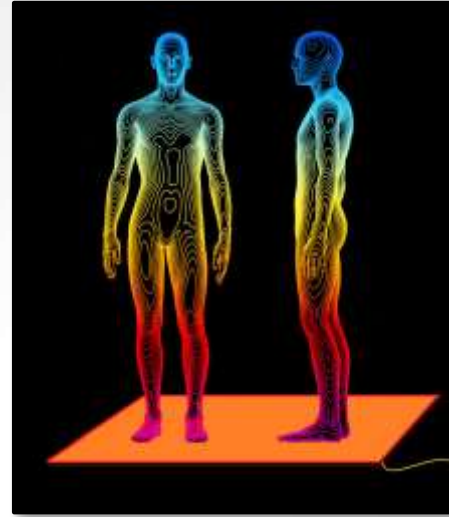
**AFTER THE ADAPTER, THE ONLY CURRENT FLOWING IN THE SYSTEM IS 24 Volt ELIMINATING ANY RISK OF ELECTRIC SHOCK, FIRE, ACCIDENTS AND INJURIES**



***THE ONLY ONE SAFE*** *EVEN IN CASE OF SNOW, ICE, WATER OR UNINTENTIONAL DAMAGE (puncture, cut, tear)*

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# **RED CARPET** ALLOWS TO KEEP WARM YOUR FEET AND LEGS DURING THE LONG STAY FOR THE DAILY SALES



**IT'S POWERED ONLY WITH 24 VOLT ELECTRIC CURRENT**

**CAN BE CONNECTED BOTH TO A GENERATOR OR TO THE NETWORK**

It consumes **ONLY 240 Watt per m<sup>2</sup>** reaching up to 50 °C

*(160 Watt per m<sup>2</sup> for a standard temperature of 29 °C)*



**RED CARPET** IT'S NOT ONLY HEATING  
**IT ALSO PRODUCES POSITIVE AND PHYSIOLOGICAL ANTIFATIGUE EFFECTS**

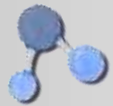
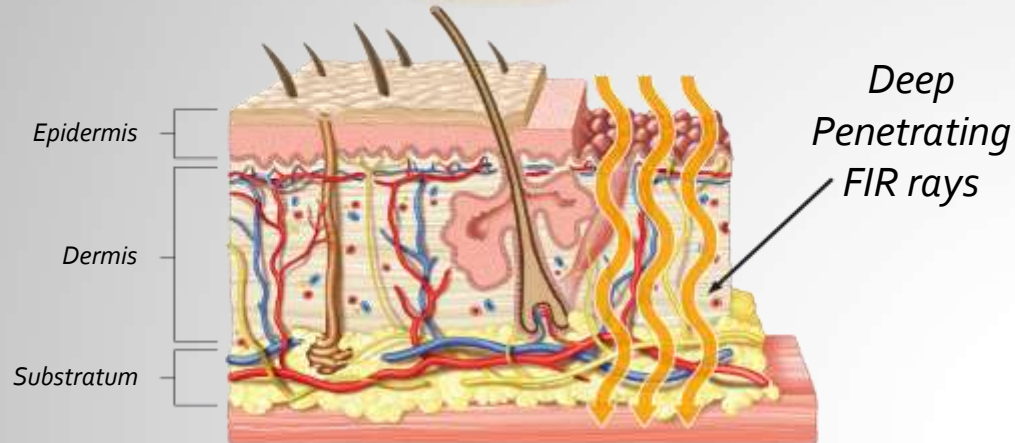
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# EFFECTS AND BENEFITS OF INFRAREDS ON THE HUMAN BODY

## THE LONG INFRARED ENERGY

PENETRATES DEEPLY INTO THE SKIN



Optimizing the role of water in cellular metabolism

### PREVENTING

- LACTIC ACID
- INFLAMMATIONS

### IMPROVING

- VASCULARIZATION
- SKIN REGENERATION



## IMMEDIATE EFFECTS

- SOFT HEAT, RELAXING AND ANTIFATIGUE



## EFFECTS ON THE BODY

- TROPHIC EFFECT
- DETOX EFFECT
- ANALGESIC AND PAIN REDUCING EFFECT



## HYGIENE

- LESS HUMIDITY THEREFORE LESS MOLD
- LESS GERMS AND BAD SMELLS
- PREVENTS BACTERIAL PROLIFERATION

# RED CARPET INFRARED HEATING SYSTEMS

## FOR A HEALTHY AND LOCALIZED HEATING OF THE WORKPLACE

### THANKS TO THE LOW VOLTAGE ALLOWS



- SAFETY IN PRESENCE OF WATER, SNOW AND ICE



- THERMAL COMFORT TO FEET AND LEGS



- NO RISK OF STOVE ACCIDENTS



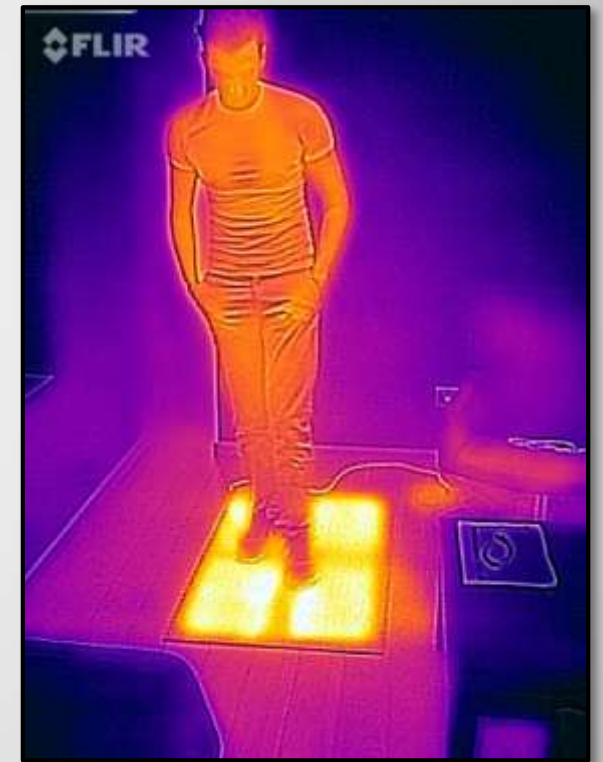
- ENERGETIC AND ECONOMIC SAVING



- HYGIENE



- PHYSIOLOGICAL BENEFITS



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# CUSTOMIZATION

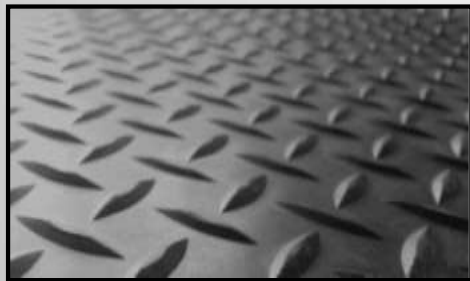
REDCARPET IS AVAILABLE IN TWO BASE FINISHING:

## «RUBBER»

High thermo-conductivity and density rubber  
Both sides are usable for maximum durability



*Ribbed version also available (minimum request)*



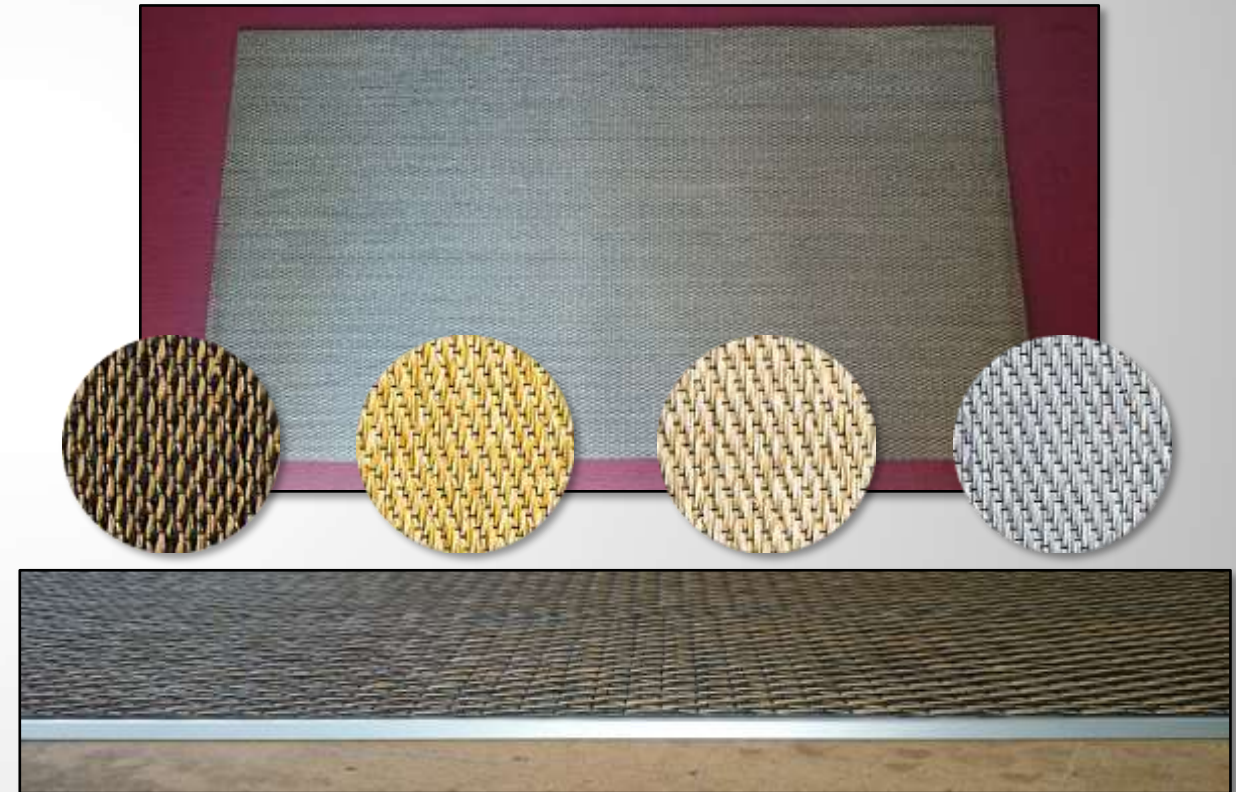
DIAMONDS



RIBBED

## «CHARME»

Upper face made of elegant PVC «mat» effect  
Great aesthetics for optimal integration with existing furniture



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# THE SAFETY OF REDCARPET



**NO RISK OF BURNS**



**NO RISK OF FIRES**



**NO RISK OF ELECTRIC SHOCK** *EVEN IN PRESENCE OF WATER*



**NO EMISSION OR LEAK OF TOXIC GASES**

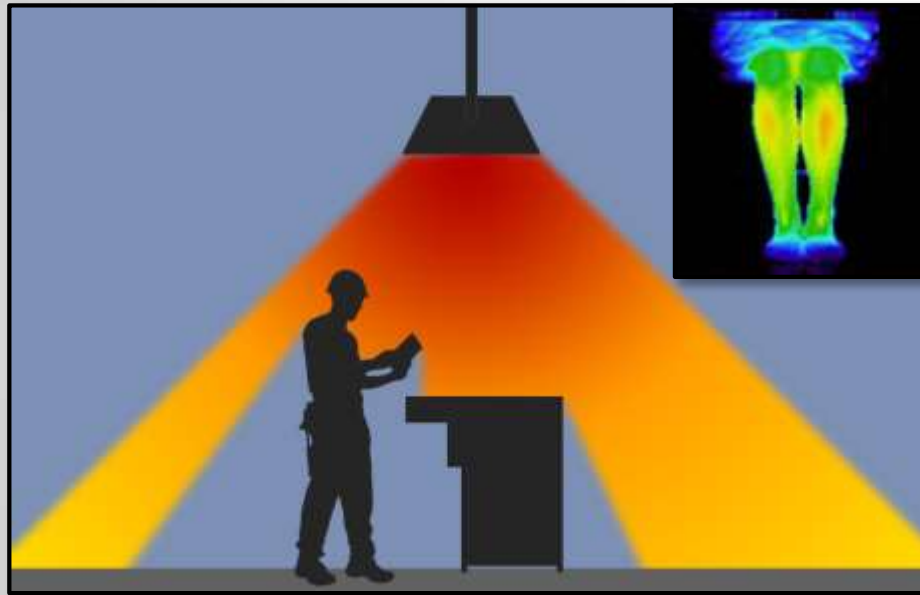
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# THE EFFICIENCY OF REDCARPET

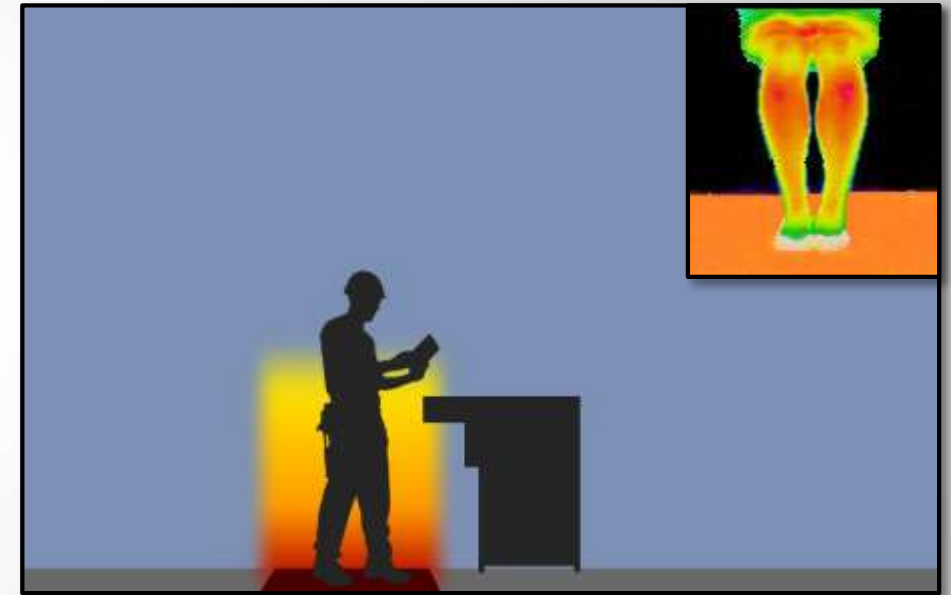
## FOR THE HEATING OF WORKSTATIONS

### HEATING



with gas stoves, lamps, thermo fans, ecc...

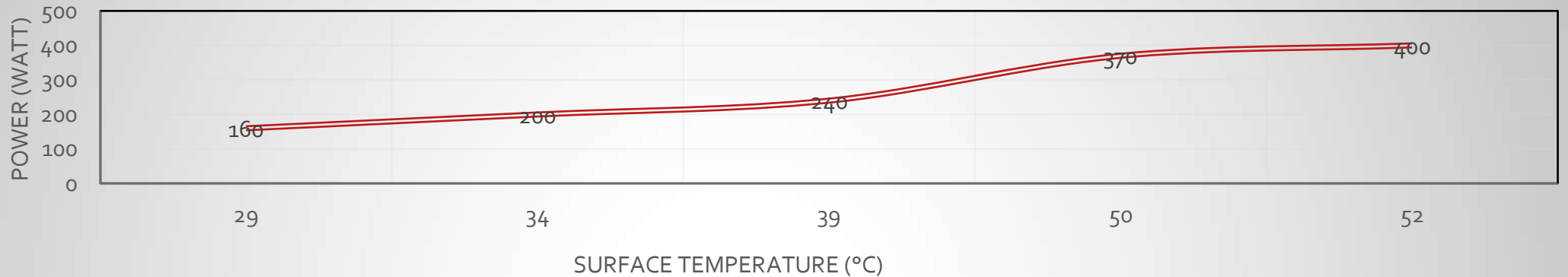
### RADIATION



with **REDCARPET**


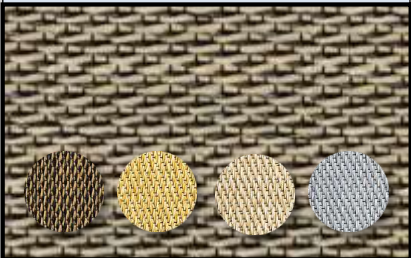
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## CONSUMPTION/TEMPERATURE GRAPHIC



- The innovative heating system is capable to reach high powers for square meter (up to 400 W/m<sup>2</sup>)
- It reaches 50°C, usable in every climatic condition.
- Very low voltage does not allow any electric shock even in case of cuts and unintentional damage.
- Completely waterproof, snowproof and iceproof.
- The 6 mm thick high density rubber ensures maximum resistance and durability.
- Easily transportable, removable and reusable.

## TECHNICAL SPECS

REDCARPET	SIZE	POWER (Watt)	VOLTAGE	POWER CABLE LENGHT	THICKNESS	WEIGHT
«RUBBER»						
	60 X 110	120 - 200	24 - 30 volt	2,00 m	6 mm	4,9 Kg
	60 X 210	240 - 400	24 - 30 volt	2,00 m	6 mm	9,3 Kg
	110 X 110	240 - 400	24 - 30 volt	2,00 m	6 mm	8,9 Kg
	110 X 210	480 - 800	24 - 30 volt	2,00 m	6 mm	17,1 Kg
	110 X 310	720 - 1.200	24 - 30 volt	2,00 m	6 mm	25,2 Kg
	110 X 410	960 - 1600	24 - 30 volt	2,00 m	6 mm	33,3 Kg
«CHARME»						
	60 X 110	120 - 200	24 - 30 volt	2,00 m	6 mm	4,9 Kg
	60 X 210	240 - 400	24 - 30 volt	2,00 m	6 mm	9,3 Kg
	110 X 110	240 - 400	24 - 30 volt	2,00 m	6 mm	8,9 Kg
	110 X 210	480 - 800	24 - 30 volt	2,00 m	6 mm	17,1 Kg
	110 X 310	720 - 1.200	24 - 30 volt	2,00 m	6 mm	25,2 Kg
	110 X 410	960 - 1.600	24 - 30 volt	2,00 m	6 mm	33,3 Kg

OUR PRODUCTS ARE FULLY RECYCLABLE AND ARE MAINLY MADE WITH RECYCLED MATERIALS

# INFRARED TECHNOLOGY

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- The infrared radiation, **the same as the sun's rays**, transmits heat by direct irradiation of the bodies, without the need to heat the air.
- Radiation is a method of efficient heating and allows to remarkably reduce power consumption.
- The REDHEAT products use semiconductor systems with low voltage current **(12 - 30 volts)** which ensures safety even in the presence of water, snow, ice and in the event of unintentional damage.
- The low power and moderate temperature ( $400 \text{ W/m}^2$  per  $50 \text{ }^\circ \text{C}$ ) does not trigger any convective movement, so the air is cleaner.
- It is demonstrated that infrareds have physiological and beneficial effects on the human organism. In fact they are widely used in the medical field.



# MAIN ADVANTAGES

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- **ECONOMY:** Irradiation combined with very low voltage allows a significant reduction in energy consumption.
- 



- **SAFETY :** No combustion, incandescence, or 230 Volt current. No risk of electric shock or gas intoxication.
- 



- **HYGIENE:** The emission of anions inhibits proliferation of germs and reduces odors. The still air is clean, dry and does not carry fungal spores and mold.
- 



- **HEALTH:** It has beneficial physical effects, as demonstrated when applied in physiotherapy and in the medical field. Trophic effect, analgesic effect and to decontract muscles.
- 



- **COMFORT:** Soft warmth, cozy, comfortable, rising from beneath.
- 



- **ECOLOGY:** Recycled and recyclable materials of high durability, low energy consumption.

The REDHEAT product line is engineered and designed by Green Technologies SA  
The distribution and marketing are carried out in collaboration with GTE Elettrica s.r.l.

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[www.greentechnologies.ch](http://www.greentechnologies.ch)



[www.gte-elettrica.it](http://www.gte-elettrica.it)

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### *PATENTING PRODUCTS FOR INDUSTRIAL INNOVATION*

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The intellectual property of the REDHEAT project is owned by Green Technologies SA.

Patent n° 001406966/2011

Patent Pending n° SP0001/2015

Patent pending n° SP0002/2015



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