



GENERAL CATALOGUE



**FENIX**

Only the sun does it better...



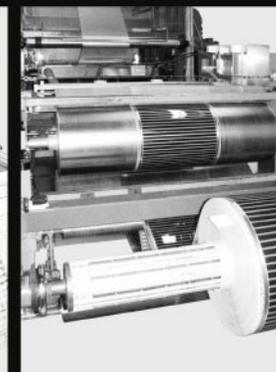
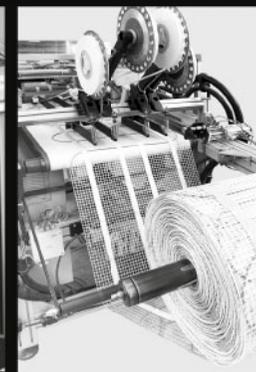
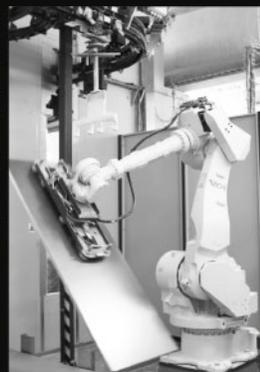
**FENIX** was founded in 1990 as one of the first private companies in the Czech Republic following the „Velvet“ Revolution. The first items produced were the successfully marketed ECOSUN electric radiant heating panels. With the growth in market demand for these products more followed – ECOFLEX electric convectors, ECOFLOOR heating cables and mats and ECOFILM heating foils, including heating system regulation and a wide range of accessory products.

With the increase in demand the structure of the company developed – for the reason of retaining maximum flexibility a holding company structure was chosen, with individual and independent members.

THE FOLLOWING COMPANIES WERE INCORPORATED SUCCESSIVELY:

- ▶ **Fenix s.r.o.** (1990) – plant producing electrical heating systems
- ▶ **Fenix Trading s.r.o.** (1993) – trading company
- ▶ **Fenix Slovakia s.r.o.** (1993) – production and trading company, representing FENIX in Slovakia
- ▶ **Fenix Group a.s.** (1995) – company which provides property management and services (strategic planning, administration of property, economic and financial services)
- ▶ **Flexel International Ltd.** (2003) – manufacturing and trading company located in the United Kingdom
- ▶ **Demista Ltd.** (2008) – UK based supplier of mirror demisting heating products
- ▶ **ACSO SAS.** (2010) – production and trading company which represents FENIX in France
- ▶ **CEILHIT S.L.U.** (2010) – premier manufacturer of heating cables in Spain and trading company which represents FENIX in Spain
- ▶ **Konsulent Team A/S** (2014) – trading company with its headquarters in Norway
- ▶ **Fenix Deutschland GmbH** (2018) – trading company with headquarters in Germany
- ▶ **Fenix Polska Sp. z o.o.** – new member of the Fenix Group since February 2019 – Trading company with its headquarters in Poland.
- ▶ **AERS s.r.o.** (2016) – technology company engaged in designing, production and installation of SAS battery-powered peak stations and AES 10–50 kWh home modular battery storage.

Fenix Holding is one of the largest European manufacturers of electric surface heating systems and currently exports to more than 70 countries worldwide.





## ECOSUN LOW-TEMPERATURE RADIANT PANELS

Standard design radiant panels **ECOSUN** 2

Glass panels with aluminium frame **ECOSUN E, G** 3

Frameless glass panels **ECOSUN GS** 4

Panels with a printed surface 5

**GR** – glass radiant panels 6

Accessories for glass radiant panels 7

**ECOSUN CR** – panels from sintered ceramic material 8

**ECOSUN NATURAL** – ceramic radiant panels 9

## ECOSUN HIGH-TEMPERATURE RADIANT PANELS

**ECOSUN S+** high-temperature radiant panels 10

## TERRACE HEATERS

Radiant terrace heaters **ECOSUN TH** 11

## ECOFILM HEATING FILMS

**ECOFILM F** floor heating films, **ECOFILM SET** 12

**ECOFILM C** ceiling heating films 13

**ECOFILM MODULE** ceiling heating system 14

**ECOFILM MHF, ULTRATHERM** 15

## ECOFLOOR – FLOOR HEATING SYSTEMS 16–17

## ECOFLOOR FOR OUTDOOR APPLICATIONS 18–19

## ECOFLOOR FOR SPECIAL APPLICATIONS 20

## CONTROL SYSTEM 22

## ECOFLEX RADIANT CONVECTION HEATERS 23

## ■ ECOSUN LOW-TEMPERATURE RADIANT PANELS

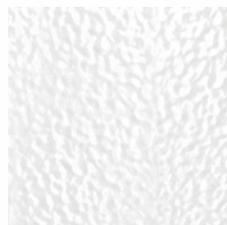
These panels are designed mainly for the heating of offices, shops, flats and family homes. They are available in different surface finishes and a wide choice of colours to match any design requirements.

Special surface treatment of types **ECOSUN U/U+**, **ECOSUN C/VT** and **ECOSUN K+** provides maximum heat transfer efficiency.

**ECOSUN BASIC** is the “smooth” version of ECOSUN U+ panels. The smooth surface is considerably easier to maintain and clean and is particularly suitable for health care institutions. These panels are only available in white colour.



Gravelly Snow



Smooth surface

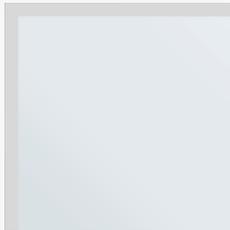


Thermocrystal

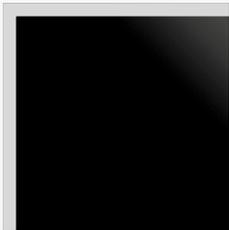
The designer range of aluminium framed radiant panels. It includes an ultra-modern, visually stunning range of heaters that will enhance any room's appearance.

**ECOSUN E** combines simplicity with functionality, offering a white plastic coated surface in an aluminium frame.

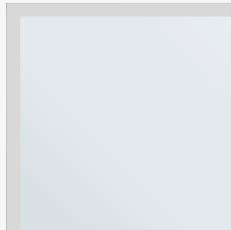
**ECOSUN G** range uses black, white and mirror glass in it's framed designs.



White



Black

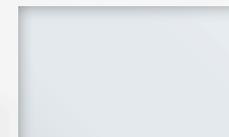


Mirror

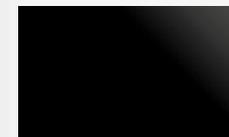




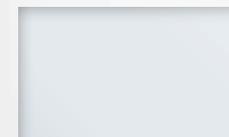
**ECOSUN GS** are glass radiant panels, which combine the elegant design of frameless GR panels, thin tempered glass and versatility of ECOSUN G/E panels. Supplementary towel rails can be used for bathroom installations. Optional side cover bars are available for a cleaner look.



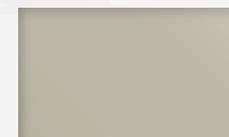
White



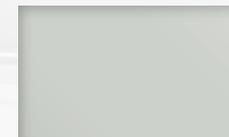
Black



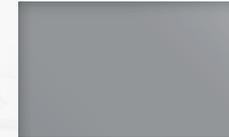
Mirror



Basalt



Platinum gray

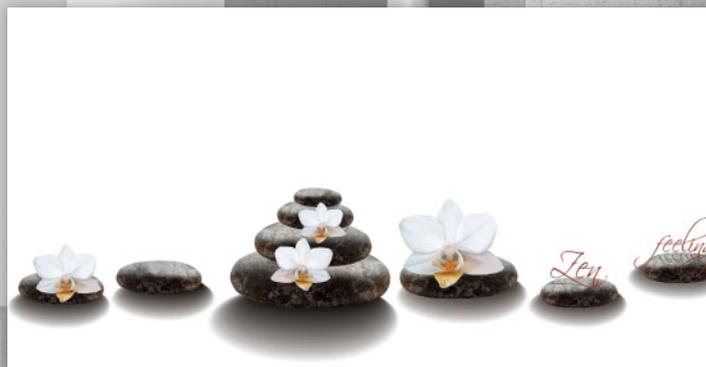
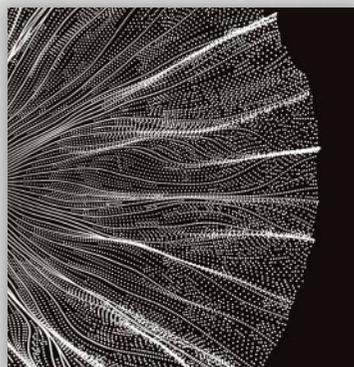


Graphite



Wine Red

**PANELS WITH A PRINTED SURFACE** will transform the radiant heater into a unique and eye-catching addition to your interior spaces (types ECOSUN G, ECOSUN GS, ECOSUN U/U+). Apart from a choice of designs, it is also possible to choose either silver or black frame colours (type ECOSUN G).



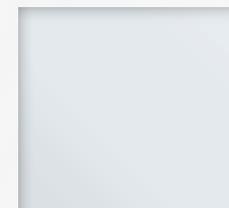
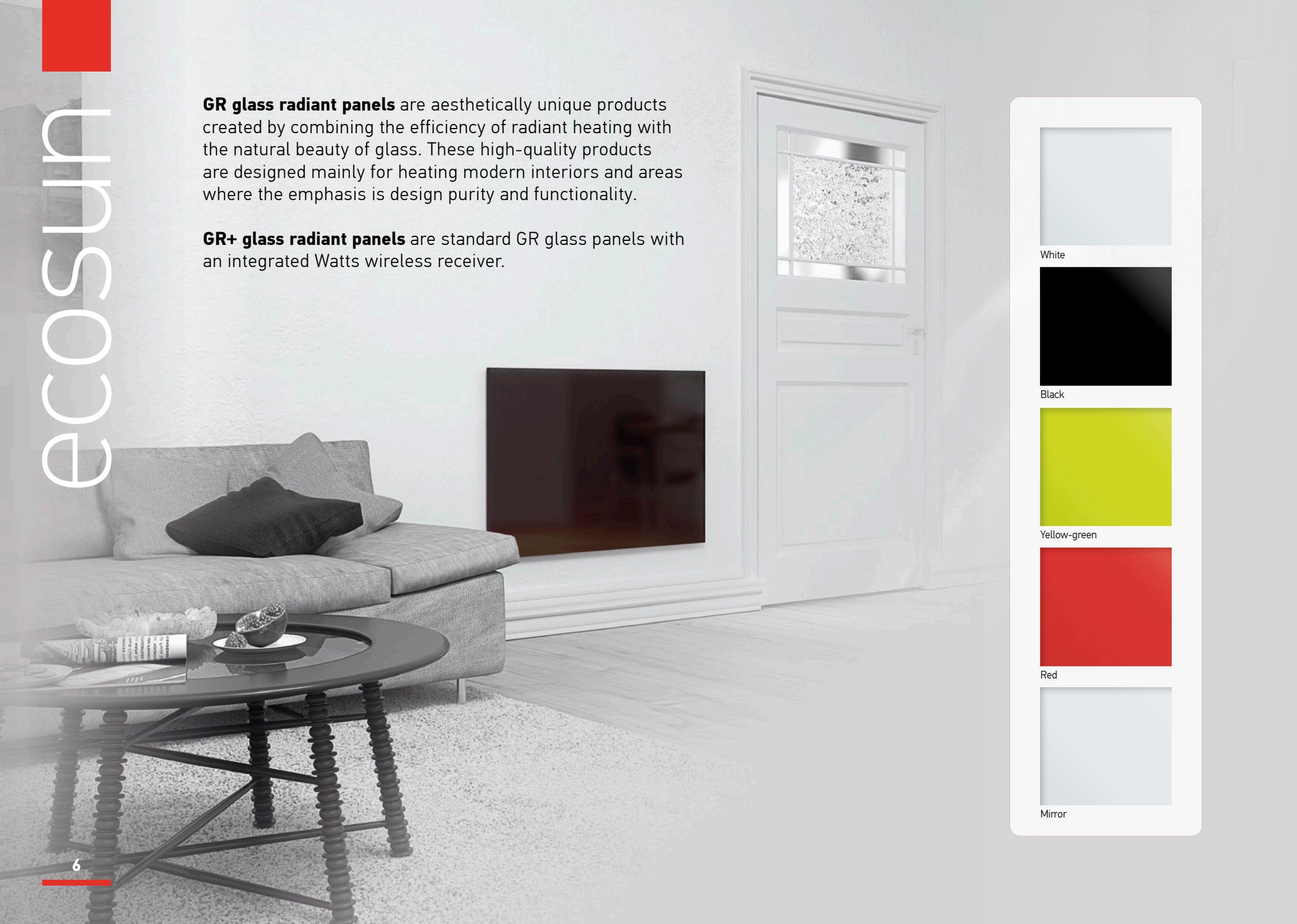
See our  
web gallery.

Option of  
choosing  
your own  
motive.



**GR glass radiant panels** are aesthetically unique products created by combining the efficiency of radiant heating with the natural beauty of glass. These high-quality products are designed mainly for heating modern interiors and areas where the emphasis is design purity and functionality.

**GR+ glass radiant panels** are standard GR glass panels with an integrated Watts wireless receiver.



White



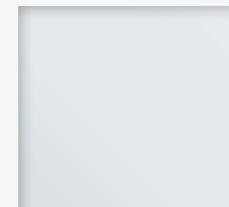
Black



Yellow-green



Red



Mirror

## ACCESSORIES FOR GLASS RADIANT PANELS

Stainless steel **towel rail** are designed mainly for bathrooms to combine functionality and elegance. For applications where GR panels cannot be wall-hung, a set of **floor supports** can be used to mount the panel horizontally on the floor.

**Panel side cover bars** are used to make the attachment of the panel to the wall more aesthetic.

**Accessories for GR panels:** supports; towel rail.

**Accessories for GS panels:** supports; towel rail; side cover bars; cable suspension system; spacing set; ceiling fixing frame.



side bar for the attachment of side cover bars or any number of towel rails





**ECOSUN CR** – Decorative radiant panels with a sintered ceramic material surface will add a rustic look to your space. Trendy textures perfectly imitating concrete, beton and natural rocks suit literally each and every place – houses, hotels, offices, restaurants. Optional towel rails and side cover bars can help you achieve a cleaner minimalist look for your bathroom.



Basalt black



Calacatta



Beton



Concrete Taupe

**ECOSUN NATURAL** – Ceramic radiant panels, which perfectly imitate the look of natural stone are suitable for formal rooms and halls, as well as standard living rooms. With a stunning range of surface finishes, slim design and towel rail options they are especially suitable for bathrooms.



Coal



Beige



Rosso



Cream



Marrone

## ■ ECOSUN HIGH-TEMPERATURE RADIANT PANELS

The current **ECOSUN S+** version of our high temperature panels is the result of 30 years of continuous product development and improvement. Ecosun high temperature radiant panels are developed primarily for the heating of industrial, storage and architectural buildings. However they can be used within any building with a ceiling height between 5–10 meters. **ECOSUN S+ SHORT** panels are designed for installation between light fittings in commercial and retail spaces.

In addition to our standard highly durable white surface finish, we also offer panels manufactured using **Anticor** corrosion resistant steel, intended for heating applications in environments with the extreme conditions of high salinity and humidity.

## ■ TERRACE HEATERS

**ECOSUN TH** is an infrared terrace heater constructed from a powder coated black profile. Its modern clean and elegant design allows it to be fitted in a multitude of domestic or commercial environments where heating is required.

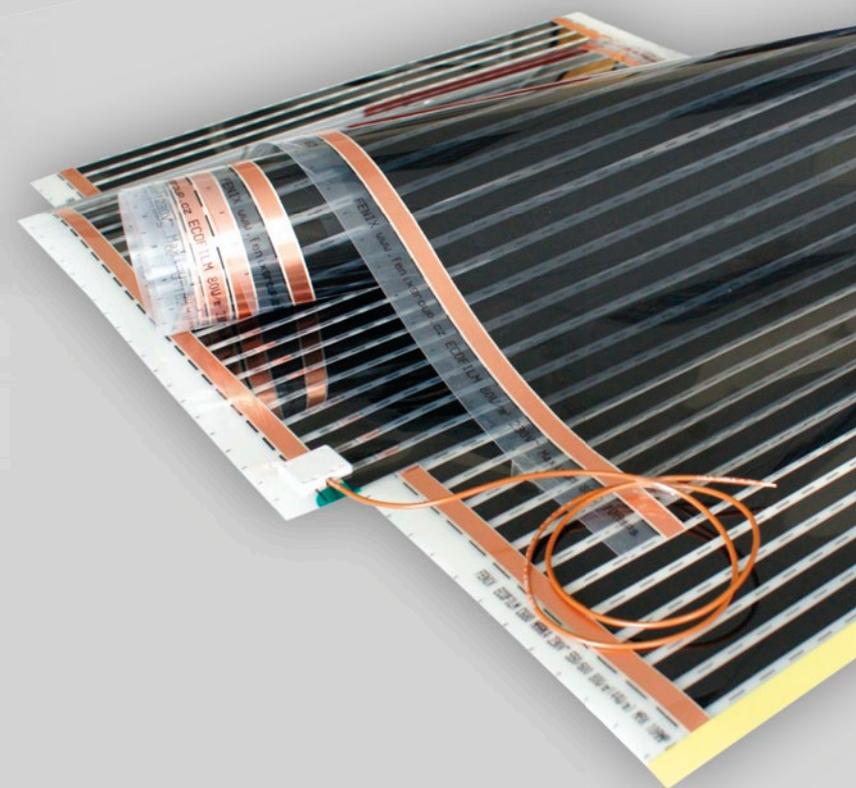
These heaters are ideal for: patios and terraces, pub gardens and courtyards, office and reception areas, conservatories, studios, churches, hospitals, schools and colleges, sports halls, shops, zoos and many more.

## ■ ECOFILM F

Ecofilm radiant heating films are manufactured using carbon film technology and are primarily used for large surface heating in apartments and community buildings, low energy houses, etc. These heating systems are composed of laminated polyester films with a graphite coating, supply leads and accessories.

Heating films are primarily used in installations with wooden and laminated floors, however they also can be installed under certain types of PVC floor coverings and carpets.

With regard to the increasing interest in ECOFILM elements and their easy installation with floating floors, **ECOFILM SET** was developed to provide the perfect solution. These sets contain a pre-determined length of film together with the supply leads and are **fully ready for installation**. The length of the heating film can be if necessary altered by the installer in accordance with the enclosed instructions.



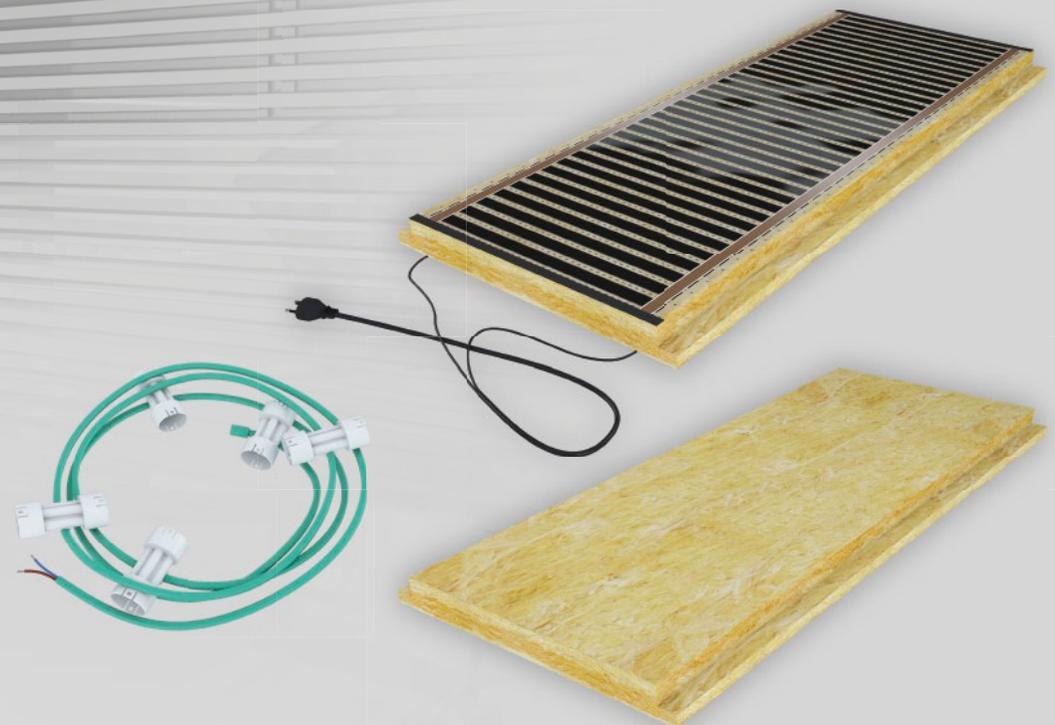
## ■ ECOFILM C

ECOFILM is also widely used installed in ceiling heating applications particularly plasterboard ceilings. Installed directly behind the plasterboard the ceiling surface acts as a large surface low temperature radiant heat emitter. This system is perfect solution for heating loft conversions and rooms with large pieces of solid furniture or thick carpets where underfloor heating may not be suitable.



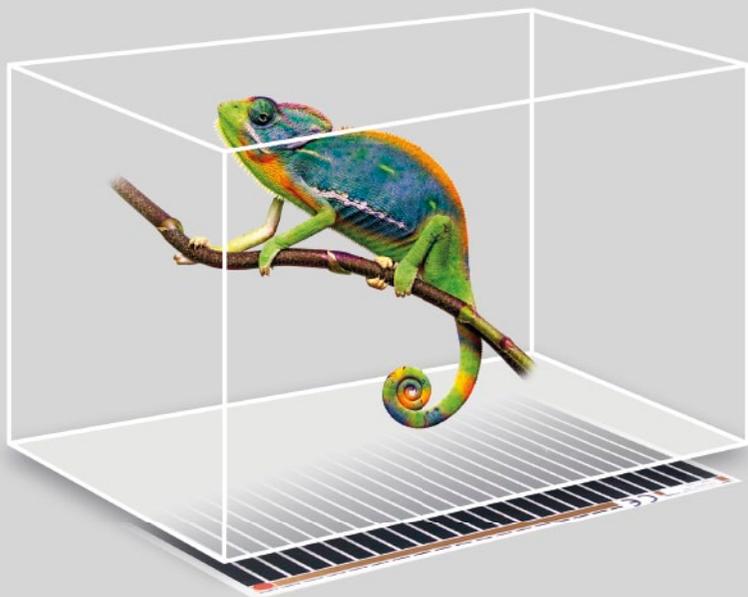
## ■ ECOFILM MODULE

The system consists of heated MH (Module Heating) fitted with Ecofilm heating film and a moulded plug and unheated MB (Module Blank) modules. MH modules cannot be reduced in size however MB modules which are used to fill unheated areas of the ceiling can be shortened/trimmed to size if required. Installation is quick and simple with both types of module laid on standard plasterboard and gypsum fibreboard ceiling CD profiles and the MH module plugs connecting to the unique distribution cable system.



## ■ ECOFILM MHF

The use of **Ecofilm heating films** is not limited only to radiant space heating. Products are also available for **demisting bathroom mirrors (MHF)** where the film, which is supplied with a self-adhesive layer, is simply attached to the back of the mirror and connected electrically to the lighting circuit.



## ■ ULTRATHERM

Similar products to those described above are also widely used for the heating of **terrariums, vivariums**, and the care of other animals and pets.

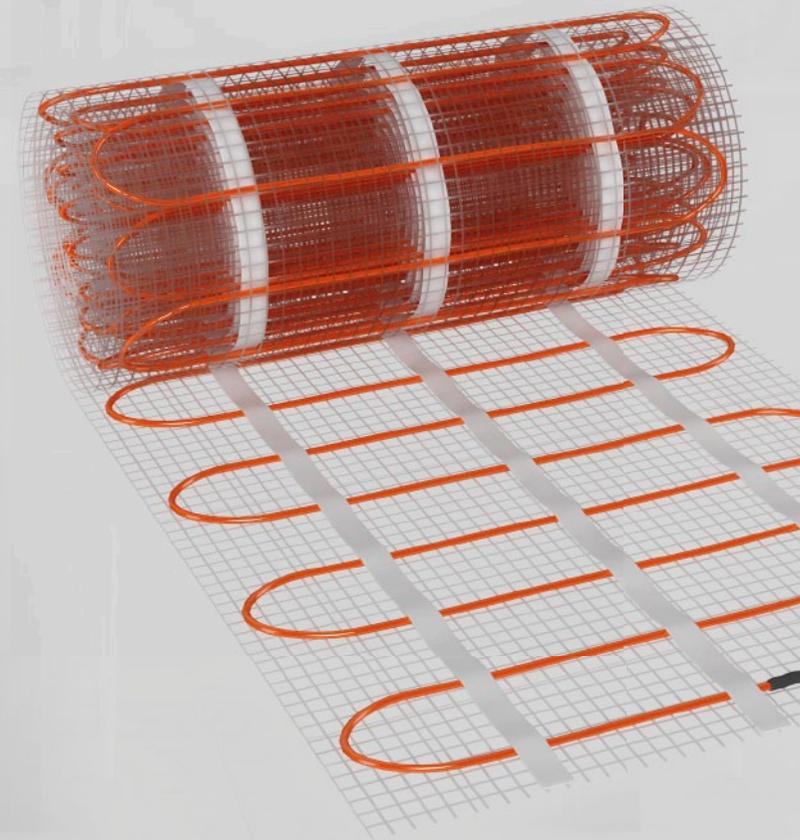


## ■ ECOFLOOR – FLOOR HEATING SYSTEMS

Electric floor heating is one of the most popular applications for electric heating cables. Resistance heating cables are ideal for these applications from an ease of installation, technical specification and cost perspective.

Direct-heating systems have become the most popular application and heating cables are used for both primary and comfort floor heating systems. **Simple installation with a faster response results in lower operating costs** and lower average floor temperatures compared to semi-storage and storage systems.

ECOFLOOR cables and cable mats are perfect for heating low energy houses.



**ECOFLOOR HEATING CABLE CIRCUITS** are available in a large range of standard lengths and are supplied with a 3 m supply cable.

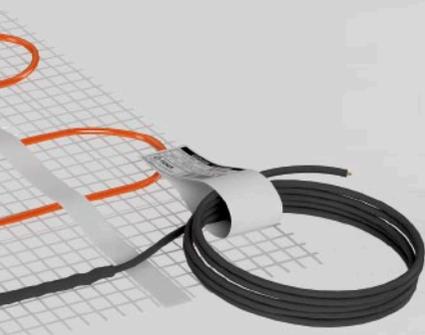
**ECOFLOOR HEATING MATS** consist of heating cables attached to a mesh at uniform spacing which enable simple quick installation.

**Three types of mats are available:**

Standard mat with two double sided tapes for fixing it to the floor.  
Self-adhesive heating mat with a self-adhering mesh.  
Ultra thin mat with a very thin cable of  $\text{Ø}2.4\text{--}2.7$  mm.

**KITS FOR DO-IT-YOURSELF INSTALLATION**

have been designed for users who do not need a complete electrical heating system but a comfortable, warm floor in a specific area. The kits include everything needed to install the floor heating system.



## ■ ECOFLOOR FOR OUTDOOR APPLICATIONS

In winter months, serious injury can occur due to the formation of ice on work platforms in warehouse loading bays or on entrance walkways to busy public buildings etc. This potential hazard can easily be minimised by installing an ice prevention system.

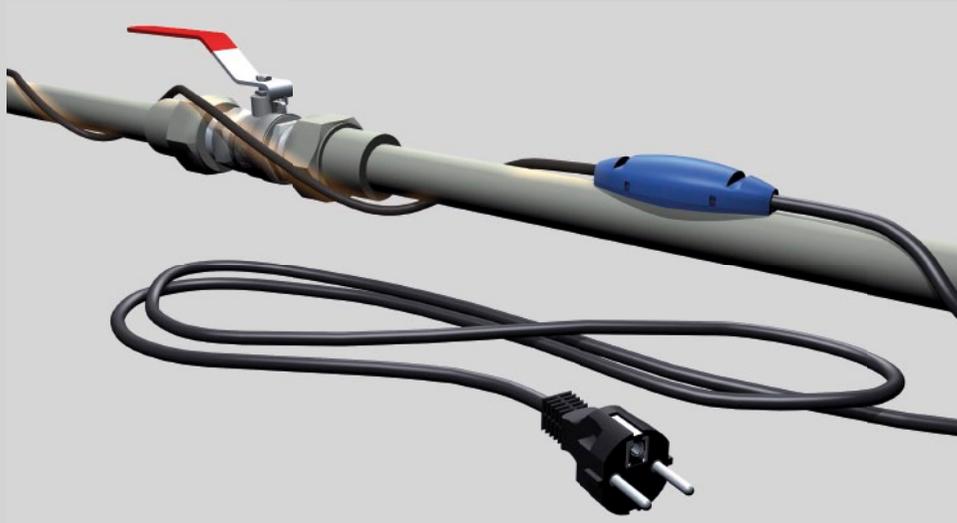
In case of snow fall, an ice prevention system will quickly melt any snow that falls providing clear access for pedestrians and vehicles on pavements and drives.



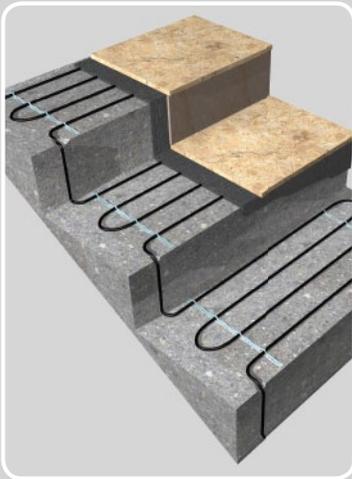
Driveway



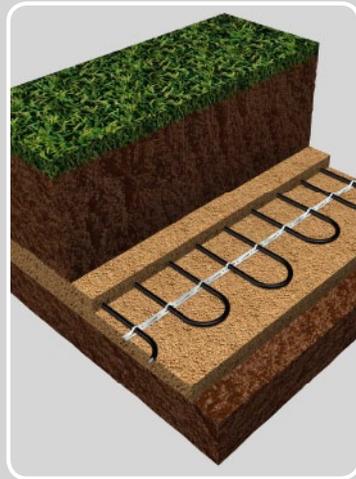
Pavement



**ECOFLOOR SYSTEMS** are also used for gutters and eaves troughs de-icing and protection of pipes or pipelines against frost.



Stairs



Football pitch

**ECOFLOOR CABLES AND MATS** ensuring ramps, driveways and pavements are maintenance-free and safe for use. Another interesting application is football pitch heating which enable pitches to be used during cold winter months.



## ■ ECOFLOOR FOR SPECIAL APPLICATIONS

**AL MAT HEATING MATS** are intended for use below floating laminate and wood floors in wet locations such as bathrooms and shower rooms.

AL MATS consist of a small diameter heating cable encased in an aluminium foil. The aluminium layer above the heating cable acts as a heat dispersion medium and earthing grid making the product suitable for use in wet locations where Ecofilm foils cannot be used.

**S-MAT – HEATED RUBBER MAT** is intended mainly for entry cleaning zones in shops and shopping centres but can be used anywhere during winter periods where protection is required.



**W-MAT** – heated mats are intended to protect workers against cold emanating from floors – typically in industrial workplaces, where the nature of the work results in employees spending long periods in small and limited areas.



**D-MAT HEATING SHEETS** are intended for outdoor use as anti-freeze protection in industrial applications and the construction industry.

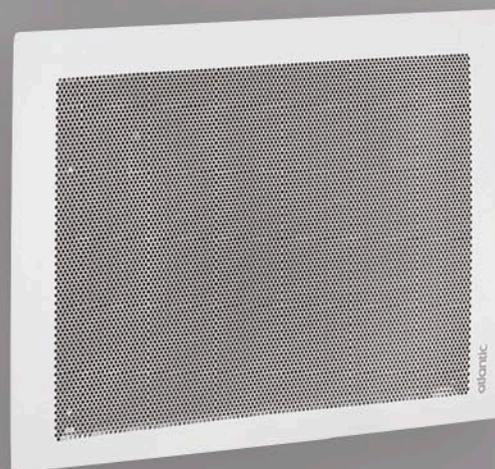
## ■ CONTROLS FOR ELECTRIC HEATING

Accurate temperature control is important for every heating system and is often underestimated. When used with electric heating, high specification temperature controls reduce operating costs and provide flexible user friendly energy efficient control which enhances the heating comfort feeling.



## ■ RADIANT CONVECTION HEATERS

Combine the advantages of two different systems – infrared radiant heating (radiant heat, more economical operation, even distribution of temperatures, pleasant microclimate) and convection heating (great dynamics, advantageous price/performance ratio).



ecoflex



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Saudi Arabia  
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