

# CATALOGUE

OF PRODUCTS AND SERVICES

2022



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**Heat Decor**  
**technology is**  
**helping to make**  
**the future green**



# Why Heat Decor systems are a good choice?



## **We provide warmth for many decades**

Our technologies are helping to make the future green: free from dust, CO<sub>2</sub> emissions and servicing costs.



## **We develop production technology**

We pride ourselves with designing innovative products. We have our own production lines in Korea.



## **We specialize in heating film**

We were the first company in the world to introduce infrared heating film systems for specialized applications to the market.



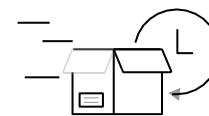
## **We are practitioners with vast experience in the assembly**

We install heating film systems for many customers across Europe, so we know how best to design them.



## **We help You make the right choice**

We support our customers with expert advice and specialist design, and our partners with training.



## **We operate quickly and efficiently**

Speed is our advantage: with fast shipping, quick and easy assembly, you can have heating for the whole house in no time.

# Our history

**2021:** Implementation of the world's first infrared heating films for use in various types of floors: HD-EPL and HD-PRO.

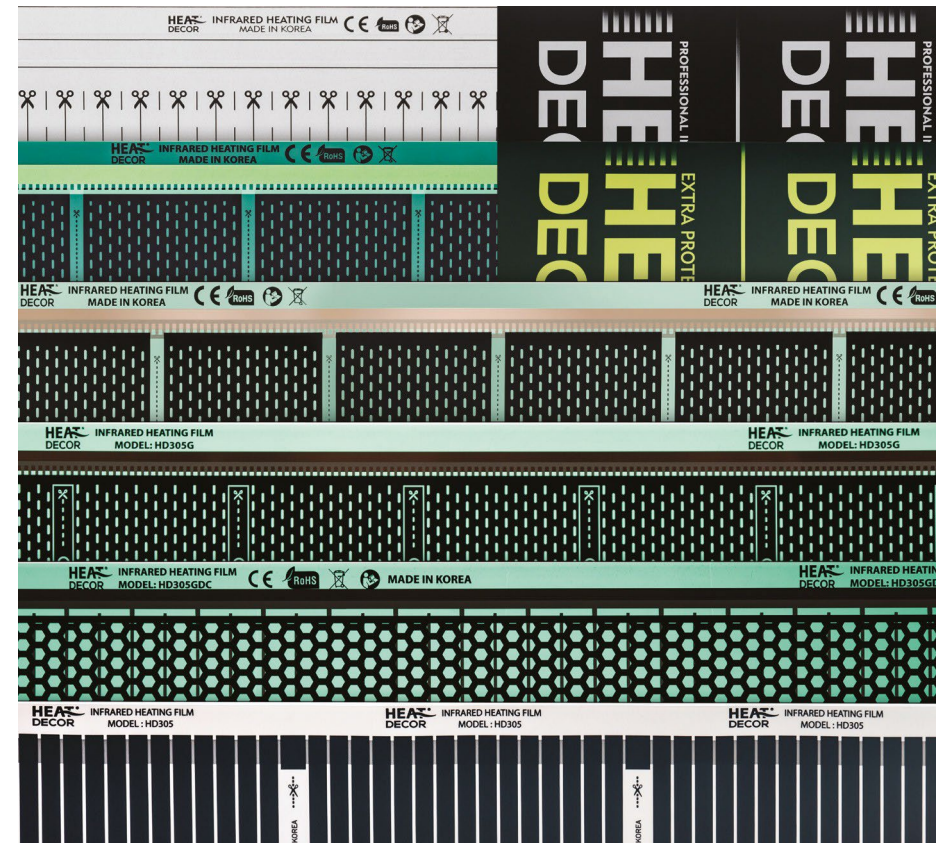
**2020:** Improvement of HD-G heating film cutting areas and carbon-h hd matrix.

**2017:** Creation of the universal HD-G heating film, which is easy to install. Introduction of heating mats for bathrooms with Teflon coating.

**2014:** Launching the production of infrared heating panels and the first „ladder” infrared film.

**2009:** Production of platforms and construction boards heated by infrared radiation.

**2004:** The concept of using the infrared phenomenon for heating purposes is born.



# Infrared heating films

## World leader

The product development department plays a key role in Heat Decor.

Industry-leading technical laboratories together with best-in-class quality control systems, guarantee that our heating films are manufactured in accordance with most stringent European standards. This is why our products are held in high regard by the most demanding customers from around the world.

## Versatile use

We are the first in the world to offer heating films in specialized series HD-G, HD-EPL and HD-PRO.

This means that our heating systems are suitable for practically every residential and public space. These can be installed under screed, laminate and SPC vinyl flooring, solid wood, as well as inside walls and ceilings.



# Unique structure of Heat Decor heating films

## Our own technologies

1. „**Carbon-h<sup>H</sup>**” matrix: provides uniform heating
2. „**Multi-layer<sup>HD</sup>**” multi-layer arrangement of PET components: increases durability
3. „**Safe cut<sup>HD</sup>**” cutting system (HD-G and HD-EPL series): makes installation simple
4. „**Silver ladder<sup>HD</sup>**” electric connection using silver paste in ladder technology: guarantees stability of the system



# How does Heat Decor heating film work?

## Main features

- **Lower temperature of heating system** required to make the room warm (always check manufacturers guidelines for maximum recommended floor temperature). That means efficiency, safety and long life of the heating system as well as the floor.
- **Heating with infrared radiation**, which is a natural part of the solar radiation spectrum. IR heats only solid objects and does not cause air convection - it does not raise dust and mites - and provides a lot of heat throughout the house.
- **No servicing is required.** That sets the Heat Decor heating system apart: peace of mind for decades with no surprises.
- **Zero-emission** is not only zero particulate matter and CO<sup>2</sup> emissions but also no traditional boiler - a modern, green heating technology.



# Waterproof rating: IPX7

## For the heating film in the Heat Decor underfloor heating system

- The Heat Decor heating film is distinguished by its **IPX7 waterproof rating**.
- The heating film has resistance to accidental immersion in water to a depth 1 meter for 30 minutes. In practice, this means that even in case of accidental flooding - **the heating film will remain functional**.



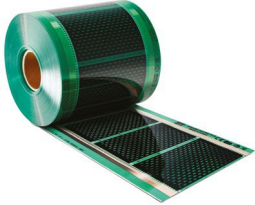


# Frequently Asked Questions

## 6 facts about heating films that you should know



- **Infrared heating** works like solar radiation, does not cause convective air movements that carry dust. It heats only solid objects, it is natural, pleasant and healthy.
- **The power of the heating film** should match the heating surface and thermal insulation of the building where it will be installed. The larger the heating surface and the higher the thermal insulation - the less power is needed.
- **Different widths of the Heat Decor heating film** can be combined in order to efficiently and sufficiently cover the surface on which it is installed.
- **Films of different power** cannot be joined together, because each power is differently controlled by a thermostat. However, we can use unconnected films utilising different power in separate rooms.
- **80% of the surface coverage** with heating films gives the optimal efficiency of the heating system, which, works at low temperatures, ensures a lot of warmth, efficiency and energy safety of the building.
- **The heating film does not require servicing**, unlike alternative systems. It is a one-time investment in economical and green heating for many decades. Its service life reaches over 50 years.

# Specialized types of Heat Decor heating films

		New !	New !
			
SERIES	<b>HD-G</b>	<b>HD-EPL</b>	<b>HD-PRO</b>
THICKNESS	<b>0,338 mm</b>	<b>0,45 mm</b>	<b>0,50 mm</b>
PURPOSE	<ul style="list-style-type: none"> <li>• laminate panels</li> <li>• screed</li> <li>• ceiling</li> <li>• wall</li> </ul>	<ul style="list-style-type: none"> <li>• screed</li> <li>• solid wood</li> <li>• SPC vinyl panels</li> </ul>	<ul style="list-style-type: none"> <li>• SPC vinyl panels</li> <li>• solid wood</li> </ul>
WARRANTY	<b>10-year</b>	<b>25-year</b>	<b>25-year</b>

# A complete offer of HD-G heating films

**Application: under laminate flooring, under screed, under mirrors, for wall and ceiling systems**

Heating film model	Film width [cm]	Power per sqm	Power per m	Film temperature [°C]	Installation length of one film stripe [m]	Weight of one roll [kg]
HD310G	100	220	220	~50	5	48,5
HD310G	100	140	140	~40	8	48,5
HD310G	100	80	50	~32	12	48,5
HD310G	100	60	60	~28	14	48,5
HD305G	50	400	200	~90	5	25
HD305G	50	220	110	~50	10	25
HD305G	50	140	70	~40	14	25
HD305G	50	80	40	~32	22	25
HD305G	50	60	30	~28	26	25
HD3025G	25	220	55	~50	18	14
HD3025G	25	140	35	~40	26	14
HD3025G	25	80	20	~32	32	14
HD3025G	25	60	15	~28	36	14

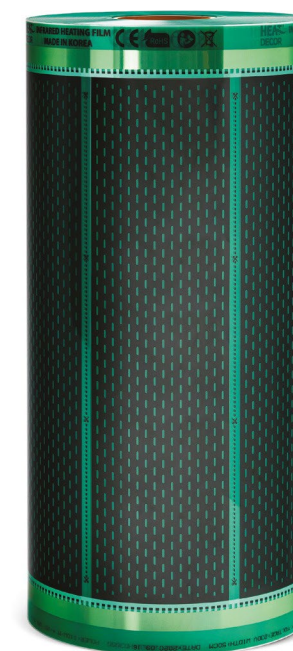
The length of the HD-G heating film in one roll is: 100 m.

Cutting spaces: every 12.5 cm.

Voltage: 230V.

If you're not sure which film to choose, please contact our advisor.

**10-YEAR WARRANTY**



# A complete offer of HD-EPL heating films

**Application: under screed, under SPC vinyl flooring (with no integrated underlay)  
min. 5 mm thick, for solid wood flooring min. 10 mm thick**

**25-YEAR WARRANTY**

Heating film model	Film width [cm]	Power per sqm	Power per m	Film temperature [°C]	Installation length of one film stripe [m]	Weight of one roll [kg]
HD-EPL.100	100	220	220	~50	5	45
HD-EPL.100	100	140	140	~40	8	45
HD-EPL.100	100	80	80	~32	12	45
HD-EPL.100	100	60	60	~28	14	45
HD-EPL.50	50	220	110	~50	10	24
HD-EPL.50	50	140	70	~40	14	24
HD-EPL.50	50	80	40	~32	22	24
HD-EPL.50	50	60	30	~28	26	24
HD-EPL.25	25	220	55	~50	18	12,5
HD-EPL.25	25	140	35	~40	26	12,5
HD-EPL.25	25	80	20	~32	32	12,5
HD-EPL.25	25	60	15	~28	36	12,5



The length of the HD-G heating film in one roll is: 75 m.

Cutting spaces: every 12.5 cm.

Voltage: 230V.

If you're not sure which film to choose, please contact our advisor.

# A complete offer of HD-PRO heating films

**Application: under the SPC vinyl flooring (with no integrated underlay)  
min. 4 mm thick, for solid wood flooring min. 10 mm thick**

**25-YEAR WARRANTY**

Heating film model	Film width [cm]	Power per sqm	Power per m	Film temperature [°C]	Installation length of one film stripe [m]	Weight of one roll [kg]
HD-PRO.100	100	220	220	~48	5	53
HD-PRO.100	100	140	140	~38	8	53
HD-PRO.100	100	80	80	~30	12	53
HD-PRO.100	100	60	60	~26	14	53
HD-PRO.50	50	220	110	~48	10	27,5
HD-PRO.50	50	140	70	~38	14	27,5
HD-PRO.50	50	80	40	~30	22	27,5
HD-PRO.50	50	60	30	~26	26	27,5
HD-PRO.25	25	220	55	~48	18	14
HD-PRO.25	25	140	35	~38	26	14
HD-PRO.25	25	80	20	~30	32	14
HD-PRO.25	25	60	15	~26	36	14



The length of the HD-G heating film in one roll is: 75 m.

Cutting spaces: every 1 cm.

Voltage: 230V.

If you're not sure which film to choose, please contact our advisor.

# Heating mats

## Teflon technology

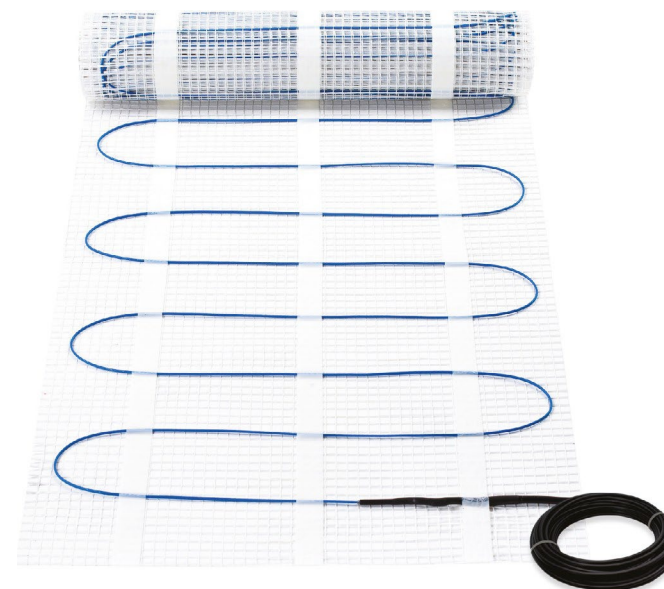
Heat Decor heating mats can withstand temperatures as high as 80 degrees, and their service life reaches 50 years.

They are designed to quickly heat up the floor using heat accumulation system. Mats are controlled by intelligent thermostats that guarantee a pleasant warmth of tiled floor. The durability of the entire system is achieved thanks to the heating core casing of high-quality Teflon.

## Proven application

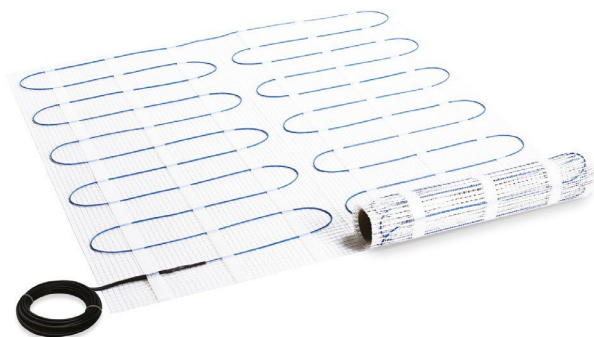
Heating mats are used only under ceramic, porcelain and stone tiles.

They are easy to install and measuring only 3 mm in thickness, which reduces the amount of glue or self-levelling compound required. They do not emit a perceptible electromagnetic field, do not generate air pollutants and provide peace of mind for years as they do not need any maintenance.



# Frequently Asked Questions

## 7 facts about heating mats that you should know



- **FEP (Teflon) insulation** means better parameters and higher durability than the classic PVC type.
- **The power of the heating mat** is 150 W/sqm or 200 W/sqm. We do not combine them in one system, because each power has different start-up parameters and temperature recovery.
- **The design of the heating mat** allows only for cutting of the fiberglass mesh, to shape the heating wire in a desired way. The wire must not be cut.
- **The heating wire** is slightly flat and very thin (2x3 mm), allowing installation in places with limited floor height and reducing the glue or self-levelling compound required.
- **The self-adhesion** of the Heat Decor heating mat makes the installation of heating system easier, also increasing flexibility and resilience of the heating mat.
- **Heat** is generated by the flow of electric current through tungsten-nickel resistance wires and is transferred to the floor surface, warming up the room.
- **The heating mat does not require servicing**, it is an economical investment in green, zero-emission floor heating.

# A complete offer of Heat Decor heating mats

**Application: under ceramic, porcelain and stone tiles**

No	Heating mat model	Power [w]	Size [m x m]	Area [sqm]
1	HD-mat 150/1.0	150	0.5x2	1,0
2	HD-mat 150/1.5	225	0.5x3	1,5
3	HD-mat 150/2.0	300	0.5x4	2,0
4	HD-mat 150/2.5	375	0.5x5	2,5
5	HD-mat 150/3.0	450	0.5x6	3,0
6	HD-mat 150/3.5	525	0.5x7	3,5
7	HD-mat 150/4.0	600	0.5x8	4,0
8	HD-mat 150/4.5	675	0.5x9	4,5
9	HD-mat 150/5.0	750	0.5x10	5,0
10	HD-mat 150/6.0	900	0.5x12	6,0
11	HD-mat 150/7.0	1050	0.5x14	7,0
12	HD-mat 150/8.0	1200	0.5x16	8,0
13	HD-mat 150/9.0	1350	0.5x18	9,0
14	HD-mat 150/10.0	1500	0.5x20	10,0
15	HD-mat 150/12.0	1800	0.5x24	12,0



If you're not sure which mat to choose, please contact our advisor.

# Heat Decor infrared ceiling heaters

## Industrial ceiling heaters

No	Model	Power [W]	Size [mm]	Weight [kg]
1	HD-EXP 1000 Infrared heater	1000	1522x150x44	6,5
2	HD-EXP 1300 Infrared heater	1300	1522x150x44	6,5
3	HD-EXP 1500 Infrared heater	1500	1522x150x44	6,5
4	HD-EXP 2000 Infrared heater	2000	1522x150x44	6,5



Example infrared ceiling heater

If you're not sure which infrared heater to choose, please contact our advisor.

# Thermostats

## Ergonomics and quality

The thermostat is the element of the heating system that the user interacts with daily. It is the everyday convenience that we guide ourselves with, when designing Heat Decor thermostats.

All thermostats are certified by notable EU laboratories. Reliability, ergonomics, and simplicity of design help quick installation, efficient integration with our heating products, and intuitive operation.

## Smart home

We offer a comprehensive solution for integration of multiple thermostats in office or home. We offer advice on their correct selection, assembly, and programming.



# How to choose a thermostat

## Each type of thermostat has different functions

**Manual thermostats** are simple and good choice for less demanding users that don't need sophisticated functions.

**Electronic thermostats** control the heating with the option to programme heating cycles, adjusting the room temperature at a specific time to the rhythm of life and work. They are perfect for offices, service points, and bedrooms.

**WiFi thermostats** communicate with smartphones, and are suitable for those who value comfort and convenience of being able to control the heating from anywhere, through a dedicated app.

**Integrated heating control systems**, commonly known as intelligent homes, are a frequent choice for newly built houses, offices, and multi-apartment investments, controlled by an application on a mobile device.



# A complete range of Heat Decor thermostats

## Available colours and versions with WiFi



**HD-T01**  
Manual thermostat. White.



**HD-T02**  
Programmable thermostat. White.



**HD-T500 - WiFi**  
Programmable thermostat with WiFi.  
White or black.



**HD-T1000 - WiFi**  
Programmable thermostat with WiFi.  
White or black.



**HD-T1000**  
Programmable thermostat.  
White or black.



**HD-T500**  
Programmable thermostat.  
White or black.

If you're not sure which thermostat to choose, please contact our advisor.

Detailed descriptions of all currently available thermostats can be found at [heatdecor.com/en](https://heatdecor.com/en).

# Assortment

## We recommend what we use ourselves

We are a company responsible for designing innovative solutions, manufacturing, sales, and installation. We know electric heating perfectly. We owe the experience of our assembly teams to the perfect selection of the assortment for the installation of heating films, which we offer.

Each of the products available in the Assortment category has been tried and tested a number of times, has all required certificates, it is durable, economical and convenient to use.

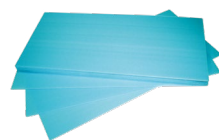


# Complete heating film installation kit

Everything you need for quick and hassle-free assembly of the heating system



Insulating mat  
Model: HD.IS.100/5



Insulating mat  
Model: HD-XPS300



Stainless steel  
mesh 0,12mm  
Model: HD-S



Heat Decor glue (for  
heating film and mirrors)  
Model: HD-G01



Double insulated electric  
wires 1.5-2.5sqmm  
- 3 colours  
Model: HD-H07VV



Self-amalgamating  
tape, black  
Model: T.W.C



Heat Decor  
adhesive tape  
Model: T.HD



Heat Decor HD-PRO  
insulating tape - black  
Model: HD-PRO



Reinforced  
adhesive tape  
Model: T.HD.Z



Universal installation  
box

Detailed description: [heatdecor.com/en/heating-film-assortment/](https://heatdecor.com/en/heating-film-assortment/).

# Complete heating film installation kit

Everything you need for quick and hassle-free assembly of the heating system



**Crimping pliers**  
Model: HD-LS.02



**Connectors:**  
Type: Ax  
Type: Bx



**Protective conduit**



**Vapor barrier film**  
0,2 mm



**Vapor barrier film**  
0,3 mm

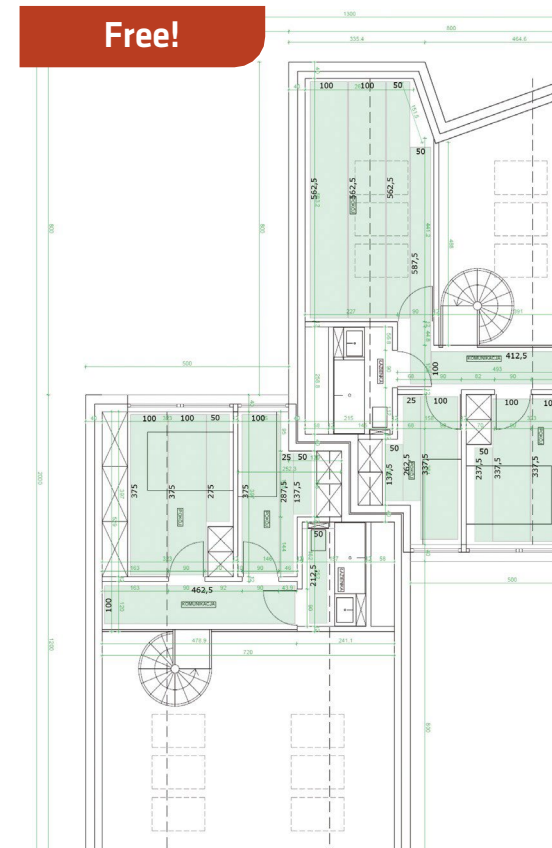
To ensure failure-free installation of any of our systems, please refer to our detailed installation manuals, available on-line at:  
[heatdecor.com/en/heat-decor-heating-film-installation-manuals/](https://heatdecor.com/en/heat-decor-heating-film-installation-manuals/)

# Design of heating systems

## Quote and design free of charge

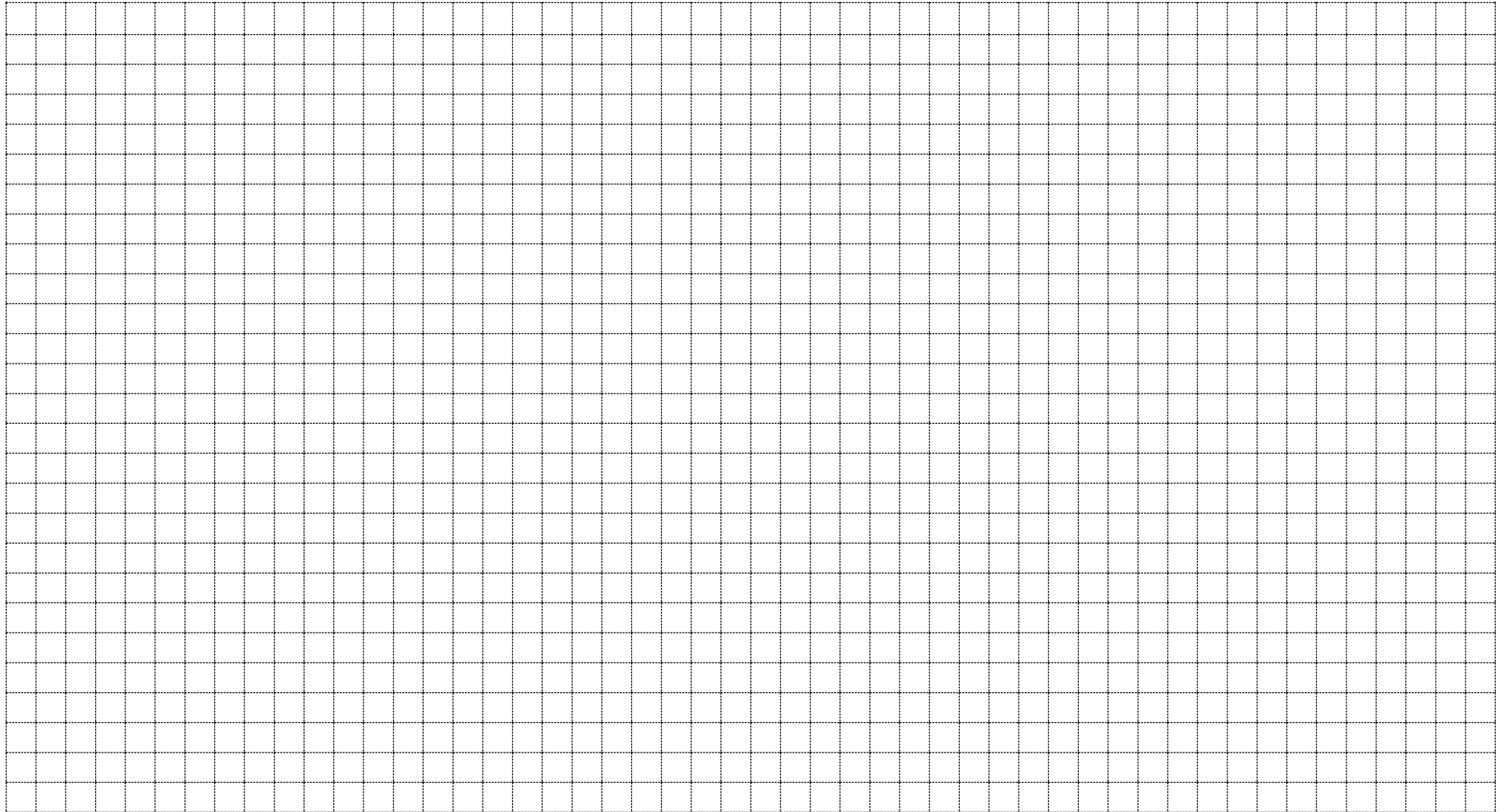
At customer request, we can design a Heat Decor heating installation plan tailored to your specific requirements.

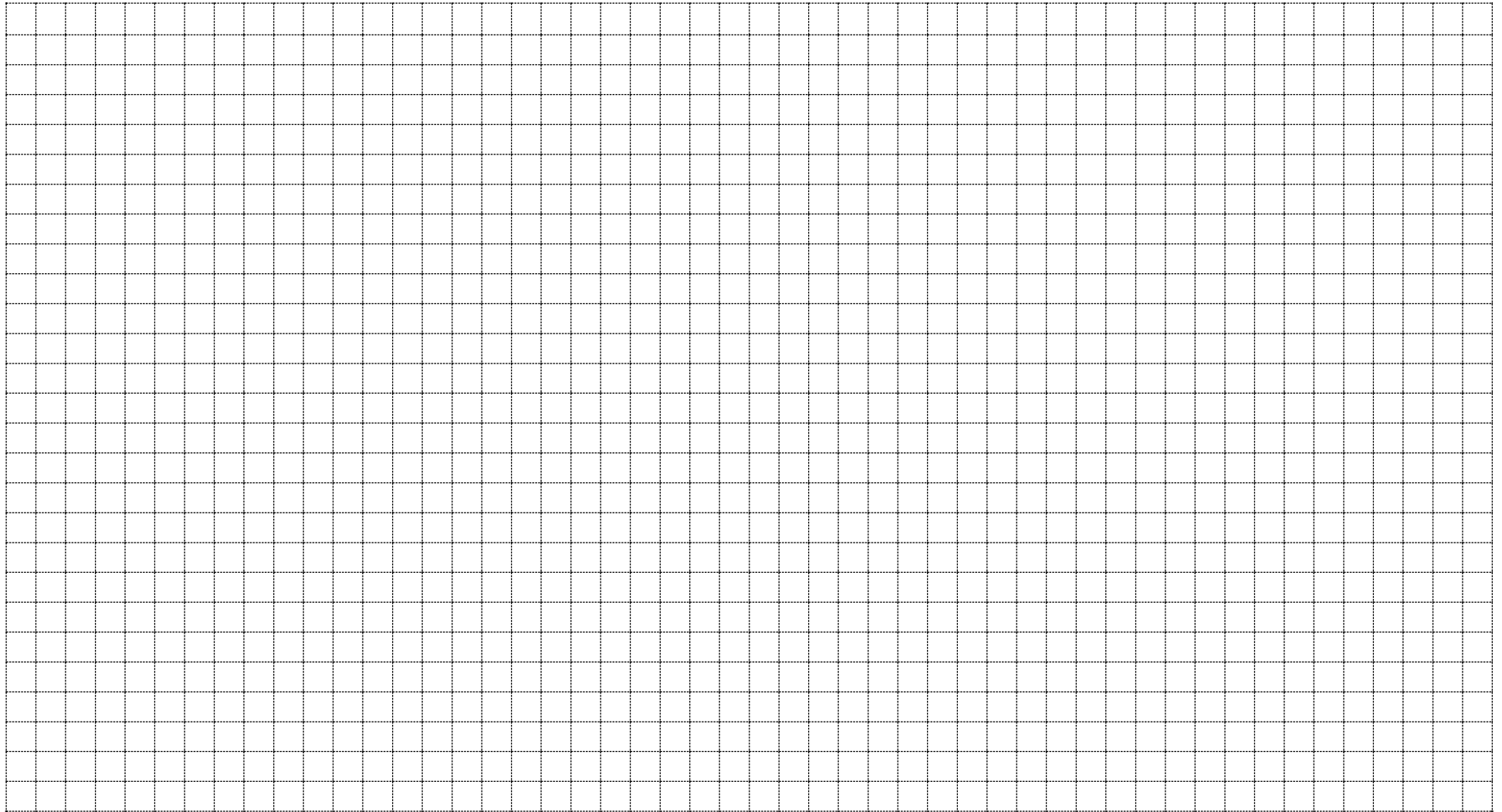
In order to create the plan, we can use architectural plans, hand-drawn room sketches as well as thermal insulation plans of the building. Thanks to years of experience in planning and building of these systems, when using our design will give you confidence installed system will be functional, efficient and meet all his expectations.





# Notes





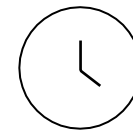
# Authorised distribution in UK - contact us



**07537 858 522**  
**07706 766 326**



**[sales@irheat.co.uk](mailto:sales@irheat.co.uk)**



**Monday - Friday**  
**9AM - 5PM**