

Heat Mat

Ice & Snow Systems

Call 01444 247020
to find out more or
visit our website at
www.heatmat.co.uk

Roof & Gutter Heating System Features

- Fully automated prevention of dangerous ice and snow build-up on roofs and in gutters.
- Prevent gutters collapsing due to the weight of ice and snow.
- Ensure walkways and roads beneath roofs do not suffer from potentially dangerous falling icicles or snow.
- Heat sections of roof to mitigate snow-drift build-up and ensure clear walkways.
- Proven cable design for exterior ice and snow melting using a robust UV stable outer shell.
- A wide variety of thermostat and control options suited to each systems individual requirement.
- Save up to 80% on normal running costs by using our moisture sensors, which prevent the system activating unless there is moisture present.

Compatible with:



Ice and snow
thermostats



7mm cable



Trace heating
cable



Gutter Protection



Roof Protection

Heat Mat Ice and Snow Melting for Roofs and Gutters

Scandinavian designed systems to protect people and property



FRO-16A-STAT



FRO-TEM-SENS

FRO-GUT-CHAI/FRO-GUT-BEAM



FRO-GUT-GUID



FRO-GUT-SENS

Automated Roof and Gutter Heating

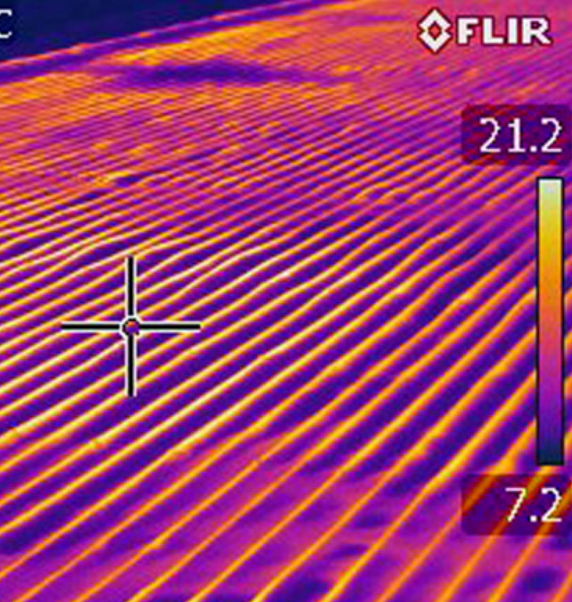
- A complete range of heating cables, thermostats and fitting accessories to provide fully automated protection against dangerous ice and snow build-up on roofs and in gutters.
- The gutter heating systems ensure that gutters and downpipes do not get blocked by ice and snow and allow melting snow on the roof to drain freely. This prevents dangerous icicles or snow build-up forming which could fall from the roof injuring anyone below, and could also collapse the buildings gutters.
- Roof heating systems are suitable for mitigating significant build-ups of snow on sections of roofs. These systems are also suitable for mitigating localised snowdrift build-up on roofs against neighbouring buildings.
- Custom made ice and snow melting thermostats monitor the air temperature and can control two separate zones independently to ensure the system works effectively. The addition of moisture sensors in the gutters or on the roof will cut the running costs by up to 80% by ensuring that the system only heats when it is cold, and there is moisture present.

Product Programme

Product Code	Description
FRO-48A-STAT	11kW Snow melting thermostat with moisture detection
FRO-16A-STAT	3.6kW Snow melting thermostat with moisture detection
FRO-16A-GSTA	3.6kW gutter heating thermostat with air temperature sensor
Sensors	
FRO-TEM-SENS	Wall mounted external air temperature sensor
FRO-GUT-SENS	Gutter moisture detection sensor
FRO-GUT-GUID	Cable guides for heating cable in standard gutters
FRO-GUT-CHAI	1m Chain for downpipe heating cable
FRO-GUT-DOWN	Cable guide for downpipe heating cable
FRO-GUT-BEAM	Suspension beam for downpipe chain
FRO-GUT-PROT	Cable protector for gutters and downpipes

System specification

Heat Mat offer a specification and design service for gutter and valley heating systems and offer guidance on how to install their wide range of products. Heat Mat do not specify and design large area roof heating systems but can provide guidance on cable specifications and fixings.



Thermal image of an industrial Heat Mat roof heating system.

Trace heating v constant Wattage cables

Although trace heating cables are entirely suitable for heating gutters and roofs, and are occasionally the only option, quality trace heating comes with a premium price tag. To compliment our trace heating cable Heat Mat has developed a constant Wattage outdoor heating cable for roofs and gutters which is significantly less expensive than self-limiting cable, while remaining UV stable and highly protected against the elements. This provides a great value roof and gutter heating system which also has an expected life of more than 25 years.

Gutter heating accessories

In addition to the gutter heating cables Heat Mat offer a comprehensive range of fitting accessories to allow the simple installation of the heating system. These accessories include clips for holding the cables in the gutter and spacing them apart, and chains and suspension beams to ensure the downpipes are heated correctly to ensure the safe removal of the meltwater. There is also a range of cable fixing bands suitable for fixing cables in drainage valleys and water hoppers.

System life and running costs

All of Heat Mat's roof and gutter heating systems have a life expectancy of more than 25 years,

and there is no reason why they shouldn't operate for more than 50 years. The running costs of the system will depend on the control gear used (moisture sensors reduce running costs by around 80%), the local weather conditions and how much snow there is each winter. For gutter heating systems using a moisture sensor, a running cost of around 70p per meter per year or less would be expected in most areas of the UK. Costs in particularly cold parts of the country will actually be less, as the snow will not melt each day therefore the gutters will remain ice free once they are first cleared.

The costs of operating a roof heating system vary considerably depending on how they are used, however in many years there would be no requirement to power them up at all unless significant snow was expected. In fact a layer of snow on a roof acts as a great insulator, lowering the heating bills of the building below.

Roof heating systems

Large scale roof heating systems are used to mitigate snow-drift build-up (often against the walls of new buildings) and to reduce the structural load that snow places on older roofs, for instance when new equipment needs to be suspended from them.

Heat Mat can work with whoever is specifying these systems to provide details of the various heating cables options on offer and also the fixing and control methods available.

Large projects

For particularly large projects Heat Mat's Ice and Snow Melting Technical Team can visit to work with the designer/specifier of the system to discuss the products and options available. This team includes David Green and Paul Brandon from Heat Mat, along with ice and snow melting specialists from our Scandinavian partners Heatcom and OJ Electronics.

FITTING ACCESSORIES



FRO-GUT-GUID



FRO-GUT-CHAI



FRO-GUT-DOWN



FRO-GUT-BEAM



FRO-GUT-PROT



About Heat Mat

With more than 1,400,000m² of underfloor heating installed, 22 years' experience of the UK underfloor heating market and a wealth of knowledge on Scandinavian ice and snow melting systems, you can rely on Heat Mat to understand your needs and supply the products to satisfy your requirements.

This is why we are the Professionals' Choice, the number one supplier of electric underfloor heating and ice and snow melting systems to the UK's professional installation market.



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