



HeatMat
Ice & Snow Systems

Helipad heating system



Advanced
ice & snow systems



Helipad
heating system



Fully automated
control



The Goal

The client was replacing an existing helipad and wished to upgrade to a 20m diameter heated pad to ensure no ice or snow build up obscured the markings or led to an unsafe landing surface.

The goal was to provide a cost effective and simple to install heating system that was robust and would operate automatically and energy efficiently.

Due to the contraction joints within the finished pad each quadrant of the base would need to be heated separately to ensure that no heating cables crossed contraction joints.

Heat Mat's Solution

Heat Mat designed a system to meet the client's heat requirements for each quadrant and manufactured bespoke ice and snow melting cables with extended supply leads to speed up the installation process.

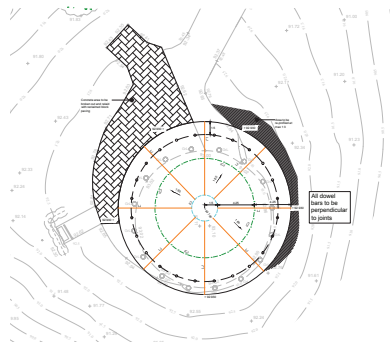
Cables were chosen in preference to outdoor heating mats as the cables were simpler to shape into the sections of the helipad. The robust cables were cable-tied into place on the reinforcement mesh spaced to provide the desired heat output for each section.

A fully automated control system was supplied that could also be manually overridden if needed. Combined moisture and temperature sensors sit within the helipad and this allows the controller to automatically power up the system when needed.

Using moisture sensing in addition to temperature sensors ensures that the system only powers up when there is a risk of frost or snow, and it quickly turns off once this is cleared for maximum energy efficiency.

The Result

The heating system will ensure that the helipad remains frost and snow free in the harshest of conditions ensuring that winter weather will not lead the helipad markings to be obscured.



Project in detail

Date Installed

Summer 2024

Location

Uttoxeter, Staffordshire

Client

JCB

System supplied through

Town Electrical Distributors Limited

Installer

M&B Electrical

System Specifications

- Proprietary ice and snow melting cables with extended coldtails
- Moisture and temperature sensors
- Din-rail mount ice and snow controllers for automatic operation, with manual override

About helipad underfloor heating:

Heat Mat have experience in specifying multiple helipad heating systems throughout the UK and abroad. These have included pads in locations where temperatures can fall to -40°C and heating beneath a wide variety of surfaces.

About Heat Mat

With more than 12,000m² of ice and snow melting systems installed and 22 years' experience of the UK frost protection market, you can rely on Heat Mat to understand your requirements and to specify the system to satisfy your needs. This is why we are the Professional's Choice, the number one supplier of ice and snow melting products to the UK's professional installation market.

Contact us

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