

No crisp snow on
Walkers roof
this winter

HEATCOM
SMART HEATING SOLUTIONS



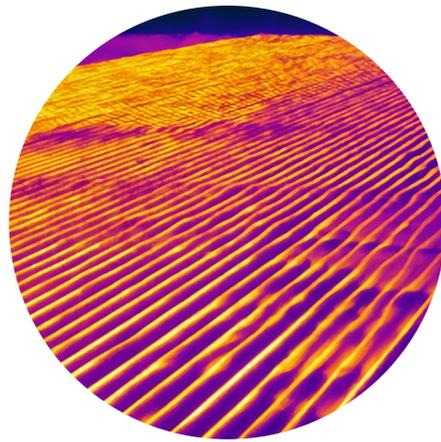
Advanced
ice & snow systems



Roof heating
system



Fully programmable
thermostats



The Goal

A Heatcom roof heating system has been installed at Walkers Crisp's factory in Leicester.

Scraptoft Electrical Services Ltd (SES) approached Heat Mat's project department to specify a heating system compatible with the existing roof that will prevent the roof becoming overloaded with snow and risk collapse. Walkers Crisps has been based in Leicester since the 1940's and their site in the city is the biggest crisp factory in the world. The factory processes tons of potatoes every day to make millions of packets of crisps, so keeping the plant open 24 hours a day, 365 days a year is essential.

In order to prevent the weight of snow on the roof directly above the ovens disrupting production, Walkers commissioned SES to install a roof protection system.

Heatcom's Solution via Heat Mat

Heatcom carried out survey work on the roof with SES and produced an initial specification. Plans were then manipulated in CAD to reflect splitting the roof into 11 zones before installation commenced in September 2016.

The final system was manufactured in Denmark and the UK. Robust exterior 7mm heating cables have been installed in each zone along with Heat Mat's Scandinavian designed moisture and air temperature sensors. The roof heating was split into five separate systems with independent

About Heatcom

At Heatcom, we are specialists in electric heating solutions for indoor and outdoor environments.

Founded in Denmark, we deliver high-quality, energy-efficient, and easy-to-install systems to customers around the world. Our product range includes underfloor heating, ice and snow melting

controls. The size of each section ranged from 31.7sqm to 155sqm with power requirements of 8,529 Watts to 41,645 Watts.

Two sections of roof housing plenum ducts used for air conditioning, extractors and mains cable also required heating to prevent snow damage so these sections were included in the plans.

The surface of the factory roof is made from a triple layer mineral felt coated with Kemperol. Heatcom obtained a sample of the roof material for testing to ensure the proposed adhesive and 7mm cable would be suitable.

The Result

The roof heating system will prevent the risk of snowdrifts and snow loading on the roof, ensuring production can continue round the clock. Each of the five zones can be controlled as and when required depending on snowfall.

The cables are attached to the roof using fixing strips and external high-grade weather-proof adhesive.

Heatcom has extensive experience in heating industrial and commercial roofs so this made us the ideal choice for SES and Walkers Crisps.



Project in detail

Date Installed

2016

Location

Walkers Crisps, Leicester

Client

SES Electrical

System Specifications

- 12km of specialist UV stable ice and snow melting cable
- Proprietary roof fixings and specialist adhesives
- Automatic monitoring and control equipment including temperature and moisture sensors

About Walkers Crisps

Walkers Crisps is a major British snack company founded in 1948 in Leicester, now owned by PepsiCo, known for producing millions of crisp bags a day and dominating the UK market with classic flavours like Cheese & Onion, while continually expanding its range and shaping British snacking culture.

The system
completely
clears the
roof without
exception...