



R RANGEFORD  
VILLAGES

**HEATMAT**  
UNDERFLOOR HEATING

# Homewood Grove, Chertsey Retirement Village Heating



In-screed  
heating cables



Chertsey, Surrey



NGTouch  
controller



## The Goal

Homewood Grove is a new-build luxury retirement village of 116 apartments built on a 4.7 acre brownfield site at Chertsey, Surrey.

Rangeford Villages are one of the UK's foremost developers of retirement properties and worked with Willmott Dixon as the lead contractor of the development which included a wellbeing centre, gym, dance studio, bistro, and bar/coffee shop.

Sustainability was at the forefront of the development with each home being supplied with an electric underfloor heating system operating at a super low output for stable temperatures. The all electric heating and hot water systems lead to lower bills and significantly reduce carbon emissions when compared to gas heating systems.

For more than a year Heat Mat's project support team worked with the heat loss engineers, specifiers and installers of the system to ensure a specification that met all of the client's requirements.

As the project evolved and requirements changed Heat Mat redesigned the heating system and installation method to allow each apartment to be screeded in one pour before the stud walls had been installed.

Heat Mat visited site multiple times to offer support, to discuss modification of the heating cables and installation method and to sign off on the installations.

Moving from multiple pours to a single pour of screed per apartment enabled a reduction in costs while speeding up the project.

## Heat Mat's Solution

Heat Mat provided an ultra-low output in-screed heating cable specially designed to meet the requirements of the designers and to keep the overall electrical load of the site to the required level.

Heat Mat's Danish manufactured heating cables were supplied together in one box per apartment to simplify logistics on site and the NGTouch controllers were chosen due to their user-friendly programming.



## The Result

Heat Mat's bespoke in-screed cables were installed with a unique fixing method allowing a speedy installation and a single pour of screed per apartment saving time and costs on the build.

The heating systems were commissioned by Heat Mat and have worked faultlessly since in the retirement apartments, the swimming pool and other communal areas.

## Project in detail

### Date Installed

2023

### Location

Chertsey, Surrey

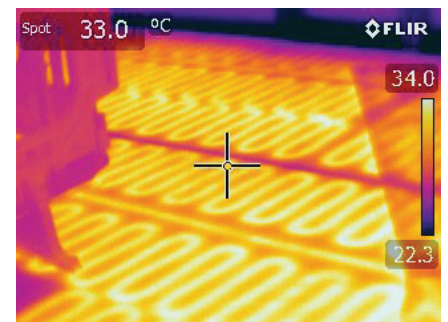
### Client

Rangeford Villages developed the £43m luxury retirement home with Willmott Dixon as their main sub-contractor

Products supplied through Templegate Electrical Supplies Limited

### System Specifications

- Bespoke in-screed heating cables
- Bespoke fixing method
- Heating mats for swimming pool area



## About Heat Mat

With more than 1,400,000m<sup>2</sup> of underfloor heating installed and 26 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 electric underfloor heating supplier to the UK's professional installation market.

## Contact us

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