

# Hurston Mill, Sussex Underfloor Heating System

**HEATCOM**  
SMART HEATING SOLUTIONS



6mm Red In-screed  
cable system



West Sussex



Thermostat  
controller



## The Goal

The owners of this idyllic rural home were granted planning permission for a new extension adjacent to their character property. Plans for the extension, to house a new dining room and wet room were drawn up, but how to heat it was posing a challenge.

The homeowners wanted to utilise all of their wall space and prevent restrictions to the layout of their furniture, so panel heaters were not a viable option. It was important to keep the purchase and installation costs down and to ensure minimal disruption occurred to the on-going building work.

They consulted their chosen contractors, Arun Builders, who recommended Heatcom. As the property is in an area without mains gas, a wet system wasn't an option, and would have been far more expensive to install. Heat Mat's technical experts were asked to specify an energy-efficient system for the extension.

## The Solution

It was important to have a fast reacting system in the wet room, to rapidly heat the space. In the dining room the requirement was for a sole source of heating to be installed, allowing the family to eat, and entertain guests in the room.

Technical experts from Heatcom worked with the builders to design a solution suited to the power

## 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

available on site while maintaining the aesthetic integrity of the building.

Heatcom specified their low cost and fast-to-fit 6mm Red In-screed heating cable for the dining room, controlled by the intelligent digital NGT thermostat

The 6mm Red In-Screed heating cable was cable-tied directly onto reinforcement fabric ensuring a speedy installation. The screed bed above the heating cable will then be charged up with heat and provide a very stable temperature.

In the wet room area Heatcom specified their fast reacting 200W/sqm heating mats and recommended installation directly onto 10mm thermal insulation boards to speed up the warm-up time and maximise energy efficiency.

## The Result

Electric underfloor heating was the ideal choice, especially in this off-gas location. Installing one of Heatcom's high-quality electric underfloor heating systems ensured no additional build height was added and the process was efficient and cost-effective. On this site the specified products were fitted in less than half a day with Heatcom's technical team there to supervise.

The result is a beautifully warm dining room, which can be furnished as desired without having to work around radiators or panel heaters. In the wet room area the heating responds rapidly, achieving a warm floor in under 30 minutes. The owner was amazed at how quickly the 6mm cable was installed.

The homeowners plan to install photovoltaics in the future. The PV system will power the underfloor heating by charging the screed during the day and releasing heat at night.

## Project in detail

### Date Installed

2014

### Location

Hurston mill, West sussex

### Client

Mr and Mrs Whitbread

### Installer

Arun Builders, West sussex

## System Specifications:

- 6mm Red in-screed heating cable
- Reinforcement fabric
- 200W heating mats
- 10mm insulation boards
- NGT programmable thermostat timer

## INSTALLTION

We would recommend a team of two people fitting, the system if possible, although it can be fitted by a single installer, it is far simpler to fit with two people working at each end of the room. It makes installing onto fixing strip or reinforcement fabric seem like a more manageable task!

