

# Country mansion goes green with Polypipe Underfloor Heating.

A rural new build mansion in Surrey has had Polypipe Underfloor Heating installed throughout.



Polypipe underfloor heating used in luxury new build.

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Renewable energy specialists, Worcester Renewable Energy Ltd., enlisted the help of Polypipe to design an underfloor heating system which would provide Burrows Lea Farmhouse with environmentally friendly heating. Polypipe's Red Floor Plate Solid Floor System was specified for the ground floor of the farmhouse due to its ability to provide an ambient temperature throughout the property and its environmental credentials over alternative heating systems.

The project required environmentally friendly heating, which Polypipe was able to provide.

The first floor of the mansion benefitted from Polypipe's Overlay™ system, which is the ideal solution for first floor rooms as it can be laid directly on top of existing floors. At only 18mm in depth, the Overlay™ system allows underfloor heating to be installed in projects where other

underfloor systems would require expensive excavation or where the existing floor would be raised to an unacceptable level.

Worcester Renewable Energy chose to pair their Polypipe Underfloor Heating systems with a ground source heat pump. The two components worked in tandem to provide a high performance heating system with excellent energy efficiency. When building Burrows Lea Farmhouse, installers needed to consider aesthetics. Built and designed to visually impress, underfloor heating provided a more discreet and cost effective alternative to traditional radiators. Able to fulfil the requirements of Worcester Renewable Energy, Polypipe were able to build a system that would work alongside a ground source heat pump for practical and environmental reasons.

The Burrows Lea Farmhouse underfloor heating installation was completed in November 2015.

## CASE STUDY

### Project

Burrows Lea Farmhouse

### Application

Residential Underfloor Heating

### Products

Polypipe Red Floor Plate, Solid Floor System and Overlay™ Underfloor Heating System