

A photograph of a residential cul-de-sac with several two-story brick houses. The houses have red brick walls and white window frames. A paved road curves around the houses, with several cars parked along the edge. The sky is overcast and grey. In the bottom left corner, there is a blue box containing three white checkmarks and text.

# Uponor

## Orchard Close, Norfolk County Council Scheme

- ✓ Orchard Close is a cul-de-sac of 30 flats located in the south Norfolk village of Watton
- ✓ Uponor Ecoflex pre-insulated pipes were specified to supply hot and cold water from a centralised plant room to each flat
- ✓ As part of Uponor's solution selling approach, Heat Interface Units were also installed

## Orchard Close, Norfolk County Council Scheme

### Synopsis

Orchard Close is a cul-de-sac of 30 flats located in the south Norfolk village of Watton. Originally developed by Flagship Homes, it was decided that Economy 7 electric storage heaters were the best solution to enable tenants to benefit from cheaper electricity tariffs. More recently however, energy prices have risen and the system has become inefficient to run. As such, an alternative solution was requested by the client.

### Uponor's Involvement

It was decided by renewable energy experts, Finn Geotherm (nominated partner) that it would be best to design and install a district heating system. A key component of this system was the two 60kW ground source heat pumps, which linked to a 2000 litre thermal store. All of this equipment was setup in a centralised plant.

In order to link the centralised plant with individual flats, Uponor Ecoflex pre-insulated pipes were specified along with a Q&E Shrink-Fit system for connections. In total, 220 metres of Ecoflex was installed.

Uponor were also able to assist by providing Heat Interface Units (HIU), which transferred heat energy to the local hot water radiator circuit and a hot water tank in the property.

### The Benefits

Guy Ransom, Finn Geotherm provided the following testimonial after working with Uponor:

"We needed to work with a pipe supplier that could offer us rapid and accurate supply and we had complete confidence in Uponor's UK stock holding.

"The company's Q&E fixings also helped us to ensure the integrity of every joint while speeding up the installation and reducing the cost of the infrastructure. Every property required two tee joints to connect the HIU to the infrastructure so Uponor's rapid installation system was a real benefit."

Full training was also supplied by Uponor to each of the installers involved in the project.

#### Project facts:

- Contractor: Finn Geotherm
- Client: Flagship Homes

#### Uponor contribution:

- Q&E Shrink-Fit
- Ecoflex Thermo PRO pre-insulated pipe
- Heat Interface Unit

### Reference pictures



### Uponor Limited

The Pavilion,  
Blackmoor Lane,  
Watford, Hertfordshire,  
WD18 8GA

T 01923 927000  
F 01923 223760  
E [enquiries.uk@uponor.com](mailto:enquiries.uk@uponor.com)  
W [www.uponor.co.uk](http://www.uponor.co.uk)