

# Persimmon chooses Calor LPG again for prestigious rural development



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**Heidi Juggins-Ault**

Assistant Engineer in the Technical Department

Charles Church, part of major housebuilder, Persimmon PLC, has selected Calor again as the LPG supplier for its new 58 home site at Twyning, Gloucestershire.

The prestigious Brockridge Paddocks development, which launched recently, features a mixture of two, three, four and five-bedroom homes and its countryside setting means it is attractive to buyers looking for all the benefits of rural living, whilst still having easy motorway links.

Despite its scenic location, new occupiers will still be able to enjoy all the comforts of gas central heating as LPG has been supplied to all the properties on the development, meaning the new homes will benefit from the same convenient and reliable heating systems as their urban equivalents.

**Customer:** Charles Church, part of major housebuilder Persimmon PLC

**Application:** Underground bulk tanks for a metered estate

**Location:** Brockridge Paddocks development in Twyning, Gloucestershire and five other rural sites

**Project highlights:**

- Lower equipment and installation costs compared to air source heat pumps
- LPG requires fewer energy compensating measures than oil and electric to achieve SAP ratings
- Requires no deviation from standard house design



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**Case Study**  
**Persimmon PLC**



Calor has built a successful relationship with the company over recent years and this development follows the installation of LPG at five other rural sites. These include the 'St Dunstan's Place' and 'Scholars Walk' developments in Wiltshire, the 'Green Acres' site in Berkshire and 'The Nightingales' and 'Skipper's Meadow' developments in the Anglian region.

LPG has become a favoured option for the company on its off-grid developments due to the significant benefits it offers over other rural fuel options.

These include, typically, lower equipment and installation costs than air source heat pumps and improved SAP ratings compared to oil and electric heating, resulting in fewer expensive energy saving compensating measures, such as Solar PV or triple glazing, needing to be installed.

### Simple boiler specification

The developer has also benefited from its group boiler manufacturer, Ideal, now offering a full range of boilers for selection as 'LPG ready'. This makes it simpler for SAP assessors to select a suitable model when compiling the required energy assessments and building regulations reports for new developments.

By being able to specify the same boiler manufacturer as a mains gas site, the developer can save significant procurement time and benefit from the same group deals and warranties for customers.

Unlike air source heat pump or electric heating systems, gas combination boilers do not require a hot water cylinder, which can cause issues at smaller properties as the installation would impact significantly on bedroom space. Oil heating would have required an above ground oil tank.

### Secure and simple supply

As with the other developments in which LPG has been selected, it will be installed in a 'metered estate' configuration in which between two and six, 4000 Litre underground LPG tanks are located in a communal area away from the properties.

The gas is then distributed through a network of pipes, directly to each home, with individual consumption invoiced directly to the householder. In this way, once the site is complete, the housebuilder has no ongoing commitment to the energy supply on the development.

Heidi Juggins-Ault, Assistant Engineer in the Technical Department explains: "Working with Calor on this development has been a smooth and straightforward process from the start.

LPG has many benefits for a major housebuilder and the fact that Calor has worked closely with other regional offices of Charles Church recently and was able to supply successful testimony of this meant it was a logical choice for the development at Twynning."