

# The Rookery, East Harptree.

**Name :**

Richard Davis

**Address:**

The Rookery, High Street East Harptree  
Bristol BS40 6AX

what3words: *surfacing.transcribes.anyone*

**Green Credentials:**

- Air Source Heat Pump
- Under floor heating throughout
- Mechanical Ventilation Heat Recovery
- Air tight membrane
- Fabric first (>Building regs insulation levels)

**Context:**

We bought an ordinary home with an extraordinary view and set about turning it into an eco-home. We wanted it to be sustainable and efficient, so getting rid of fossil fuels was a must.

We've worked hard to make the building warm – using lots of insulation and airtight by covering the walls in a vapour proof membrane. To prevent moisture and mould, we've installed Mechanical Ventilation Heat Recovery throughout the house. As well as removing the moisture, this technology recovers the heat energy from the moist air, and pushes the warm dry air back through the house, providing ambient warmth.

The final step to getting a warm, efficient home was to install an Air Source Heat Pump – which captures heat energy from the outside air and transfers it to our underfloor heating and hot water tank using electricity.

**Benefits:**

Early indications suggest that running costs for heating and hot water could be in the region of £1,800 per annum which amounts to around £6/day.

**Opening:**

**Opening 9am–5pm by appointment.**

