

EndoTherm®

CASE STUDY: Skipton High School, Skipton
North Yorkshire



Skipton High School was introduced to EndoTherm via the Eco-Schools program of which EndoTherm is an official energy partner. A trial of EndoTherm was undertaken on two school buildings; the School House and Cottage to confirm the performance of the product while working towards the school's green flag status.

The two installation buildings feature large domestic heating systems in old stone-built properties heated by steel-panel and cast iron radiators. Both buildings have a mixture of classrooms and teacher offices.

Two litres of EndoTherm was installed into the School House, and 1.5 litres of EndoTherm was installed into the Cottage in early March 2017. Gas meter readings were taken at regular intervals pre and post installation and compared using compensated heating degree days (HDD). The heating degree day data was obtained from nearby Leeds and Bradford Airport.

RESULTS

School House	Usage	HDD	Usage/HDD
BEFORE	535	615	0.86
AFTER	525	718.2	0.73

Compensated Saving 15.96%

Based on the historic Usage/Degree Days value, a prediction on usage without EndoTherm was compared with actual usage to determine monetary savings. The School House had saved £26 in two months (196kg of CO₂) whilst the Cottage had saved 31.33% equalling £64 in two months (475kg of CO₂). ROI was projected to be one year.

15.96
%

TOTAL SAVINGS

FINANCIAL SAVING

£26.60

CO₂ SAVING

196 kg

KEY INFORMATION

Installed: March 2017

Trial period: 2 Months

Boiler spec

N/A

Volume EndoTherm installed

2 litres