

Case Study

Sustainability and Climate Change

Quattro Seal - Draught proofing Simon Langton Boy's Grammar School

Quattro Seal is a unique permanent draught proofing system that is unobtrusive and can be fitted to any style of window or door irrespective of fabric. Windows work in exactly the same way as before with the advantage of all the benefits of double glazing but at a fraction of the cost. This is also recognised as an ideal resource for those hard to treat buildings where you cannot change them.



The system was developed in 1988 and has grown from a cottage industry to a system that is recognised for its energy saving properties and long term life qualities.

In spring 2009 Simon Langton Boy's Grammar School used the Energy and Water Investment Fund (EWIF) to install Quattro Seal draughtproofing to the windows and doors, to make the school more energy efficient. Bursar Bob Crick explained how the Quattro Seal has "sealed a single-glazed, 1960s critical window tower block". He goes on to say that the "atmosphere is similar to double-glazed facilities" which is of great benefit when much of the school has single-glazed windows, and little funding is available for renewal.

Simon Langton Boy's Grammar School noted the benefits of Quattro Seal in reducing their energy consumption - "we do not need to turn on the boilers so early in the morning, and can turn them off earlier". The school have reduced the overall average temperature by 2-3°C, which will lead to a **saving of approximately 10% of their annual heating bill.**

For more information on this case study and the Energy and Water Investment Fund, please contact Steve Baggs on 01622 605307 or email [steve.baggs@kent.gov.uk](mailto:baggs@kent.gov.uk).



Benefits

- Faster warm up times and longer heat retention
- Up to 27% energy savings as per the BRE report
- Reduction in draught driven complaints
- Increase in comfort levels
- Reduction in noise up to 10db in city areas with single glazing
- Reduction in cleaning – this reducing cleaning cycles
- Maintenance free for its life
- Greater durability than that of other systems
- 5 year unconditional guarantee that covers labour and materials
- Major reduction in fuel bills and boilers and controls will work far more efficiently

