Schools and Kalwall

Color of the people using Kalwall buildings has proved to be a wonderful bonus, as is witnessed by the comments we print here.

Schools and performance

In America, studies have been carried out on the effect of daylighting in schools and its relationship with student performance. In one such study¹ data specifically related to maths and reading took into account 21,000 student records from three quite different areas - California, Washington and Colorado. Each classroom was assigned a 0-5 scale indicating the size and tint of its windows, the presence or otherwise of sky lighting and the overall amount of daylight expected. The study found:

1Learning rates were 26% higher in reading and 20% higher in mathematics in classrooms with most natural light.

1Students with a well-designed skylight improved 19-20% faster than those students without a skylight.

1The 99% statistical certainly of the research confirmed that improved daylighting helps students to work more efficiently, learn more, reduce absenteeism and be more healthy.

Schools and glass

Traditional glazing can have disadvantages for schools. Unless properly designed, glass can allow uncontrolled sunshine into the building and, with it, unwanted heat gain. The associated glare, shadows and reflections can create discomfort.

Kalwall's evenly distributed light virtually eliminates glare, shadows and hot-spots and controls solar gain without the need for external shading devices, curtains or blinds. Hence a school's capital and maintenance expenditure can be reduced.

Schools and energy

Enhanced daylight transmission means less reliance and considerable reduction of artificial lighting, even on cloudy days. Kalwall's high insulating efficiency can contribute to savings in heating costs and enables designers to increase the amount of natural daylight within the building.

Schools and 'green' issues

Kalwall is rated green because of its materials and composition which reduce the environmental impact of building and contribute to a safer, healthier indoor environment. It is the only translucent daylighting product approved and listed in the US GreenSpec Directory

Schools and maintenance

Kalwall is virtually maintenance free and self-cleansing. Its high resistance to impact and mechanical damage is especially suited to heavy use in schools.

Research conducted by Fairs Oaks energy consulting group in Sacramento for The State Board for Energy Efficiency and The Pacific Gas & Electric Co.

'My guess is this will make a huge impact on school design' Arthur Rosenfield, senior adviser US Energy Department



If you are considering building, improving or extending your facilities mention Kalwall to your building design team or contact
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STOAKES SYSTEMS LIMITED



Kalwall[®] is manufactured and patented by the Kalwall Corporation

Schools and Kalwall®

...children are changed, are more focused and keen to

* Lyn Roberts, Director, City Learning Centre, Monks Park School, Bristol.

'A conventional design and build project, like this, might not have ended up with Kalwall. We performed some gymnastics in order to get Kalwall specified because it was also

wanted by the client and teachers.
In fact, Bristol City Council even ordered the Kalwall before the contractor had been appointed!
We think Kalwall

We think Kalwall works brilliantly in more senses than one'.

Nigel Dyke of Alec French Architects

'...although the Kalwall is floor to ceiling

it has survived 11-16 year old students for all that time with absolutely no damage.

We all agree that the
diffused lighting makes for
a bright, warm and
attractive ambience all the
year round. Interestingly,
Kalwall also
insulates us from
the noise of
the adjacent
railway-line'.

Derek Kwai, special projects manager Morpeth School Hackney London





Top, Kingfisber House, Enfield College, London. Architect, van Heyningen and Haward Architects

Above, Crossways Academy, London. Architect, IID Architects. 'We are delighted with the
Kalwall, especially because it
means that we do not need
expensive artifical lighting,
even on cloudy and dull days.
Our children have special needs
such as learning difficulties
or are autistic; they love the
new hall.

The absence of shadows and glare make it so much better than other sports halls I have worked in.

We are in a built-up area and an interesting side-effect of Kalwall is that at night there are no glaring lights to dazzle local homes'.

Wayne Curtis, sports hall manager of St Christopher's School, Leigh-on-Sea

'Our children have emotional and behavioural difficulties and it is vital to have a facility such as this. It's interesting how Kalwall's diffused lighting has such a calming effect

Mary Loizou, head teacher at Belmont Park School Leyton

on them'.



Above, Hartlepool College of Further Education. Architect, Sanderson Weatherall.



Top, (Sportshall). St. Bedes Inter-Church School, Cambridge. Architect, Peter Smith Associates.

Above, De Ferrers Specialist Technology College, Burton upon Trent. Architect, Aedas, Manchester.





Top, Harris Girls'Academy, London. Architect, Southwark Building Design Services.

Above, City Learning Centre, Brislington School, Bristol. Architect, Alec French Architects. 'This building has a high buzz factor. The rooms have

a visual and physical impact with space and light that gives them a freedom and feel quite unlike any other classrooms the children have experienced. Visitors find it endlessly fascinating.

Children are changed by it, are more focused and keen to learn'.

Lyn Roberts director Monks Park School, Bristol

'A good building like this makes education a pleasure.

This project represents the standards we should be aiming for across the country.

It is crisp, light and airy

and staggering value for money'.

The judges on the City Learning Centres in Bristol, winner of the Prime Minister's Better Building Award 2002.