



## Case study: Trinity School, Croydon

**Prima**

Integrated Facade Solutions

# Trinity School transformed during Summer holidays

## Programme & logistic solution

Following the completion of the 6th Form Centre in 2011 it was a reflection of Prima's commitment to be invited to undertake the replacement of the existing windows on the front elevation as well as designing and installing a glazed partition for new CNC machinery within the woodworking lab.

The survey was carried out from a cherry picker in order to avoid unnecessary and costly extended scaffold hire and also minimise the disruption to the school.

The replacement window work was undertaken from a full scaffold which was alarmed in order to conform to the insurance requirements.

The new aluminium windows were completed within the school holiday period and the classrooms were handed back in plenty of time for the school to prepare for the new term.

## Design solution

The ground floor windows on the front elevation had previously been replaced using Schuco so it was agreed that Prima would match these to keep a consistent appearance. The low level top hung openers were operated via folding cam-stays providing both a durable and permanent restriction while the high level openers were operated via manual teleflex which were painted to match the framing.

The glazing element consisted of highly insulated sealed units with SGG Cool-Lite SKN174ii to the external pane to reduce heat build up whilst maintaining the light levels. Due to the building design it was necessary to design aluminium pressings for the external head cill and side jambs to enable the window to interface into the building structure correctly.

With Phase 2 on a different elevation it was agreed to use the Sapa Dualframe 75Si window system resulting in a substantial saving for the work whilst providing equal performance and visual appearance.

Both phases of the work successfully achieved the requirements for the reduction of heat loss and noise levels as well as solar gain, ventilation and durability.

Following the success of the replacement works Prima was appointed to undertake further work to the value of over £100k the following summer. Due to the building design and subsequent high cost of the scaffold hire in the previous works Prima developed an alternative access method using MEWP's which saved over £5k for the school.



## Project profile

<b>Project:</b>	Trinity School, Croydon
<b>Architect:</b>	N/A
<b>Contractor:</b>	Trinity School, Croydon
<b>Value:</b>	£453,000
<b>Products:</b>	Sapa Building Systems Dualframe 75Si

# Prima

## Integrated Facade Solutions