

Corus Colors

Clore Tikva School

Case study





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Clore Tikva School

Ilford, Essex

Architect: The Tooley & Foster Partnership

Contractor: Duncan Cameron & Hutchinson

Cladding contractor: Kelsey Roofing

System manufacturer: Ward Insulated Panels

System type: Composite panels

Profile type: Trapezoidal

Colorcoat® product:

HPS200® (roof)



Jade



The brief

The Clore Tikva School is a voluntary aided primary school for the Progressive Jewish Community in the London Borough of Redbridge. The entire single storey building is a striking combination of the imagination of the architect, and the religious imagery required by the client, (an amalgamation of local rabbi, educators and lay people). The architects have interpreted the brief to embody aspects of Jewish culture and symbolism

through the use of design and colour throughout the entire site. Internally, there are four long windows either side of a square window above the curved space containing an Ark, which represent the eight Chanukkah candles. There are two groups of six exposed roof trusses in the corridors, a reference to the twelve tribes of Israel.



Externally, it is the roof that provides the most eye catching visual focus. The specification called for shallow pitches and low eaves to keep the building at child scale. Deep eaves were provided all round the 'L' shaped structure, with a low pitch over the classroom and a 45 degree pitch over the corridors. At the gable ends, the ridgelines peak up, emulating the Desert Traveller's Tent image, which has a significant association with the Jewish culture and tradition.

Both the shape and the colour of the roof play an integral role in the overall design concept. The roof fits naturally over the external cavity walls of red brick, complementing them visually and creating a non institutional appearance which was the design intention. Another reason for the large roof overhangs was to protect classrooms from the low sun.



The building

The client had originally wanted a copper roof, but budgetary constraints meant that this was unfeasible. The solution was to use composite panels for the roof using Colorcoat HPS200® in the striking colour Jade. Project architect John Hesse explains the material choice. “When the school was first mooted, we looked for a language, and the appropriateness of the tent imagery was partly responsible for the large roof overhangs and use of supporting poles,” he says. “The use of *Colorcoat HPS200* in Jade was particularly important in the specification for a number of reasons. The colour evokes a friendly, environmental atmosphere and as the school has been built on a site that the council used for allotments, we felt it was fitting that this memory was continued in the green colour.”

There is a movement in post war Judaism known as Tikun Olan, meaning ‘mending the world.’ This falls neatly into the ambit of the sustainability movement and so the school has passive ventilation, grey water, recycled materials and photovoltaic cells. The material specification, including that of the *Colorcoat* roofing, kept faithful to this theme of sustainability with products chosen to offer long term environmental durability and high performance. The innovative design and use of materials of this 420 pupil school has already been recognised. It was the recipient of a runner-up award in the 12th *Colorcoat* Building Awards and CABA Exemplary School Building.

Awards:

- 12th *Colorcoat* Building Awards – Runner-up, Best Use of Colour.
- CABA Exemplary School Building.





