



CREATING ALL-WEATHER OUTDOOR AREAS FOR THREE AL AIN SCHOOLS

TITLE	Al Ain Kindergartens
DESCRIPTION	Kindergarten courtyard roofs
LOCATION	Al Ain, UAE
COMPLETED IN	2009
FABRIC AREA	2000m ² (each)
FABRIC TYPE	PVC – Mehler FR1000 & FR700M
ARCHITECT/CLIENT	Parsons

AL AIN KINDERGARTEN AL AIN, UAE

The challenge – cover courtyard areas in a way that enhances existing architecture

Al Ain's desert climate can be extreme. From May to August, temperatures frequently top 50°C; there are occasional sand storms; and the city's proximity to the Hajar mountains makes rain relatively common, compared to other parts of the UAE. Schools need to provide covered outdoor areas for students, so that they can get fresh air and exercise without exposure to the elements.

Stucturflex was contracted to provide membrane roofs for the courtyard areas of three schools in Al Ain. As well as ensuring the roofs would withstand climatic challenges, it was important to stay true to the architect's original design concept.

The solution – striking PVC membrane roofs installed by mobile crane

Working with a concept drawings provided by our client, we engineered, fabricated and installed the three membrane roofs well within the required time and cost parameters.

The school environment and space constraints made it necessary to develop safe methodology to install the steel structures and membranes using mobile cranes positioned outside the courtyard area. The resulting roofs have been very well-received by everyone involved.

