

# Ras al Khaimah Private English School

## Case study

**Focus product:** Intercrete® 4841

**Location:** United Arab Emirates

**Client:** Ras Al Khaimah Ceramics

**Contractor:** Gulflink

**Summary:** Waterproofing of masonry walls to prevent rising damp



### Background

Although the Ras al Khaimah Private English language school is located in the heat of the United Arab Emirates, rising damp (in this case from groundwater laden with salts) was causing paint to flake off leaving the external walls unsightly.

The Client therefore required a coating system that would be able to protect the building from the constant degradation problems that they were experiencing and give an aesthetic, and durable waterproof finish.

### The solution

Intercrete 4841 – a thixotropic, cementitious modified polymer coating with high adhesion to both steel and concrete – was chosen for application to the base of the exterior walls, which was the area exhibiting the most severe problems. A major plus point was its high resistance to water permeability, enabling it to eradicate problems associated with damp and salt accumulation. Intercrete 4841 forms a hard, highly alkaline coating which also has greatly enhanced chemical and chloride resistance. Its properties are unaffected by prolonged exposure to the extreme heat of the Middle East climate.