

Westminster City School

Case study

Focus products: Intercrete® 4844, Intercrete 4840, Intercrete 4851

Location: London, UK

Client: Westminster City Council

Contractor: 5M Construction Limited (on behalf of Bouygues UK)

Summary: Waterproofing of sheet piles and floor slabs in a basement



Background

Westminster City school is a non-diocesan, voluntary aided, all ability school, which has been situated in the Victoria area of London since 1877.

As part of Westminster City Council's £152 million investment in the Building Schools for the Future (BSF) Programme, the school obtained permission to demolish two existing Victorian properties to build two new blocks housing sports, ICT and music facilities together with a new administration unit. A system was required to completely prevent water penetration through the sheet pile walls and concrete floors of the interconnected basements.

The solution

Waterproofing contractor, 5M Construction, recommended the use of Intercrete's range of EN 1504-2 two component cement and epoxy modified polymer waterproof coatings to keep the programme on schedule. Intercrete 4844 and 4840 were used to waterproof the joints in the sheet piles, whilst Intercrete 4851 was applied directly to the lean mix, base slab. The products are water based and can resist 10 bar hydrostatic head (100m head of water) with a long and successful track record of use in basements.