



Case Study

National Sports Centre

In preparation for the 2012 London Olympic Games, as part of the National Sports Centre complex's major £67 million regeneration, **Cemplas Waterproofing and Concrete Repairs Limited** carried out almost 2,500m² of floor screeding to the plant rooms, and ventilation tunnels beneath the Crystal Palace National Sports Centre swimming pool.

As soon as the mortar was mixed, it was placed, placed monolithically (wet on wet) compacted, ruled and closed with a float trowel.

Joints were formed in the new floor screed in line with any expansion, Contraction, or movement joints to accommodate possible movement. Isolation joints were also placed around the perimeter of columns, manholes in accordance with BS8204-3.

On completion of the screeding works, to prevent rapid drying, and to minimise the risk of shrinkage cracking and curling, the new floor finish was cured by spraying on a curing membrane to lock in the moisture,

Once cured, to determine the residual moisture content (RH) relative humidity, was measured at the surface with a hygrometer to ensure an acceptable level prior to Cemplas Waterproofing & Concrete Repairs applying a specialist protective/ decorative coating suited to the environment beneath a swimming pool.

Cemplas completed the work on schedule, and within budget, and on completion, the work undertaken by Cemplas was checked and signed off by the Consulting Engineers, and a 10-year workmanship certificate was issued by Cemplas.

For further details contact:

Paul Stacey at Cemplas on **0208 654 3149**
or **email: info@cemplas.co.uk**

