

Project: Al Ain Private Swimming Pool
Client: Private Owner
Location: Al Ain - UAE
Type: Internal Cementitious Waterproofing
Date: March 2007

Project Description:

The swimming pool was constructed from RC Concrete with Hi Quality concrete mix. All joints incorporated PVC water bars such as kickers. The tie rod holes also had a waterproof toe rod fixing mechanism with puddle flange in the middle.

Materials:

X-Calibur Elastomeric Cementitious Waterproofing Coating
Polyethylene Fiber Mesh
X-Calibur plugging mortar



Work Description:



The concrete surface was allowed to cure for 28 days prior to treatment then it was prepared by grinding and sanding to remove the rough corners and any surface laitance. The principle of the waterproofing system which was applied was to address every point which could be a future source of leak such as: -Kickers Joints, Tie Rod Holes, Pipe Entries, Drains, Cracks in the concrete, etc... Those points were treated initially by repairing with special non-shrink repair mortar then applying a reinforcing

Polyethene Mesh with a first coat of the waterproofing coating material.

A complete hi build waterproof coat was applied to the entire pool using brushes at the prescribed thickness followed by a second coat.

The pool waterproofing system was completed prior to applying the Mosaic Ceramic Tiles directly on the waterproofed surface. The waterproofing was allowed to cure for three days and later Ceramic tiles were applied using a compatible tile adhesive mortar.

