

Project case study

Asquith Spencer Park

Product

Heidelberg Materials' Waterproof System

Volume

400m³

Client

Landview Properties

Contractor

CJ O'Shea and Co. Ltd

Overview

Heidelberg Materials supplied 400m³ of Watertight Concrete for four luxury homes at Asquith Spencer Park, where CJ O'Shea selected a dual waterproofing system combining Sika products with Heidelberg Materials Waterproof concrete to meet BS 8102:2009 Grade 3 requirements. The solution ensures a fully watertight basement housing high-end living spaces including a cinema, games room, and guest suite.



Project description

CJ O'Shea and Co. Ltd built a stunning new development at Asquith Spencer Park, comprising of four new homes designed by Chassey and Last Architects for Landview Properties, set within acres of rural scenery close to Wandsworth Common. Each home covers in excess of 425 square metres, with a lower floor basement, plus four additional floors above ground, together with associated landscaping and parking.

The basement area provides an extensive cinema and games room, together with a utility room and guest bedroom. The concept is to give the homeowners a seamless blend of high-end technology with refined family living.

A cost-effective watertight solution for the basement was required, that would ensure complete watertightness and adhere to the principles laid out for Grade 3 of BS 8102:2009. During the design development, CJ O'Shea chose a dual system from Heidelberg Materials and Sika®. This consisted of SikaProof®-A, together with the Heidelberg Materials' Waterproof concrete.

In this 'belt and braces' construction, the waterproofing system is being used for all basement construction. Watertightness of the concrete is obtained by incorporating powerful, Sika® admixtures into the 400m³ of Waterproof concrete. Joints were sealed using the BBA approved SikaSwell® jointing system, which consists of joint sealing profiles that expand on contact with water.