



PROJECT SHOWCASE

Moving floor 'miracle' in underground pool project Kensington, London

This pool and spa complex is on the third level below ground in a seven storey property in Kensington, London.

The underground leisure area is part of the latest new build mews house constructed by AP Arcon.

Construction in the heart of Kensington. The considerable engineering works included a 25 metre deep excavation to accommodate the multi-million pound development.

A number of companies were involved to complete the 'tardis like' dwelling and London Swimming Pool Company were appointed the specialist pool contractor based on their expertise for installing sub ground level pools within listed buildings.

The swimming pool measures 12 x 4 metres and features a moving floor which is elevated

through the water to be set at different depths as required.

The floor was manufactured in 4 metre lengths by KBE in Germany and one of the biggest challenges of the whole project was to transfer them down into the basement area through a narrow opening.

Added to that was the time consuming and difficult requirement of cutting every single tile so that the pattern of the moving floor surface would match up with that of the surrounding floor since both are covered with the same tile. When the floor is fully raised, the area can be used for parties, dancing and other activities requiring a large floor space.

The exacting design and specification of the pool and spa took around a year and a half and

the subsequent construction lasted approximately two years.

The understated cream coloured internal pool finishes are made to come alive with contrasting white underwater LED lights along one wall and the row of colour changing underwater LED lights on the other, both manufactured by Wibre.

Since there is only a two millimetre gap between the moving floor and the edge of the pool, the lights had to be recessed into the pool wall to be completely flush with its surface. The lightwell in the centre of the ceiling allows natural daylight to enter and in combination with cleverly positioned dimmable fibre optics throughout the pool area, varying degrees of ambience can be achieved.

A dry bonded black slate wall adds interest and texture along one side of the pool and is



replicated on the opposite wall as a back drop to the spa. The feature is complemented by an elegant predominantly black and silver mosaic by Bisazza in Agamennone for the interior finish of the spa.

The spa shell manufactured by Armadale UK measures 2.3 x 2.6 metres and was supplied in four sections for ease of access into the basement where it was joined in situ. The spa was also fitted with colour changing LED lights for some dramatic visual effects with six back massage jets and six calf massage jets for hydrotherapy benefits.

London Swimming Pool Company say the client was 'very pleased' with the luxurious and practical combined leisure and entertainment area in the property where space is at a premium. **spn**

PROJECT COMPANIES

CONSTRUCTION, DESIGN AND MANAGEMENT DESIGN AND BUILD

 London Swimming Pool Co Contracting Ltd
 ☎ 020 8874 0414
 🌐 www.londonswimmingpools.com

 Arcon Construction Ltd
 ☎ 020 8566 7990
 🌐 www.aparcon.com

MOVEABLE FLOOR

 KBE Bauelemente (Germany)
 ☎ +49 (0) 4421 75010
 🌐 www.kbe-bauelemente.de

POOL PLANT

Heatstar Phoenix 3000 Super Plus air handling unit
 Heatstar
 ☎ 01983 521465
 🌐 www.heatstar.com

FILTER UNIT

Astral Atlas sand filter
 Astral UK Ltd
 ☎ 0845 306 0903
 🌐 www.astralpooluk.com

RESIDUAL CONTROL (POOL)

BEC Sys 3
 Aquatrol Ltd
 ☎ 01444 401955
 🌐 www.aquatrol.co.uk

POOL PUMP

Three phase BADU 90 silent run pump set
 SPECK Pumps (UK) Ltd
 ☎ 01494 523203
 🌐 www.speck.co.uk

STERILISER UNIT

Triogen EPS UV steriliser unit
 Triogen Ltd
 ☎ 01355 220598
 🌐 www.triogen.co.uk

SPA PLANT

Triogen UV500 system
 Triogen Ltd
 ☎ 01355 220598
 🌐 www.triogen.co.uk

RESIDUAL CONTROL (SPA)

BEC Sys 3
 Aquatrol Ltd
 ☎ 01444 401955
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LIGHTING

 Wibre (Germany)
 ☎ +49 (0) 7131 90530
 🌐 www.wibre.de

MOSAICS

 Bisazza (Italy)
 ☎ +39 (0) 4447 07511
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