



SIKA AT WORK

Pool waterproofing at a private residence, Greece

WATERPROOFING: Sikalastic®-841 ST

BUILDING TRUST



POOL WATERPROOFING, PRIVATE RESIDENCE



PROJECT DESCRIPTION

The waterproofing of a pool in a private residence, which was actually performed with cementitious mortar coated with epoxy paint, failed. The pool, measuring 15 m x 5m with a total surface of 225 m² exhibited major water leak and the need for immediate restoration was necessary.

SIKA SOLUTION

As there was a need for quick re-usage of the pool, the newly selected waterproofing system had to offer the possibility of almost immediate re-filling of the pool. Moreover, due to the fact that the pool was in a private residence, the use of a low noise, low dust and low volume management product system was important.

APPLICATION PROCEDURE

Initially, the substrate was cleaned using mechanical means (diamond wheel) in order to remove the existing coating. Local failures, gap sealing, penetrations, edge shaping, e.t.c were treated using the 2-component epoxy resin **Sikadur®-31EF**.

Afterwards, the 2-component, epoxy primer **Sikafloor®-161** in 2 layers was applied (the first layer was followed by a second one broadcasted with quartz sand 0.4-0.7mm in order to improve the mechanical adhesion and increase the roughness of the substrate). The main waterproofing layer was sprayed using the 2-component, liquid, polyurea membrane **Sikalastic®-841ST** with 100% solid content. The application of the membrane **Sikalastic®-841ST** offered at the same time waterproofing, protection crack bridging and was performed using the 2-component, heated, high pressure spray equipment GRACO REACTOR HXP 3.

On the waterproofing layer, the 2-component, acrylate-polyurethane final coating **SikaCor® EG-5** was applied, which offered high aesthetical results and is weather proof. At the walls of the pool the colour shade RAL 5012 was used, while on the bottom the colour shade RAL 5013 was used.

PROJECT PARTICIPANTS

Waterproofing Contractor: Emmanouil Kypraios

Our most recent General Sales Terms shall apply.

Please consult the most recent Product Data Sheets prior to any use and processing.



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