



SIKA AT WORK

Municipal Swimming Pool Egaleo-Athens, Greece

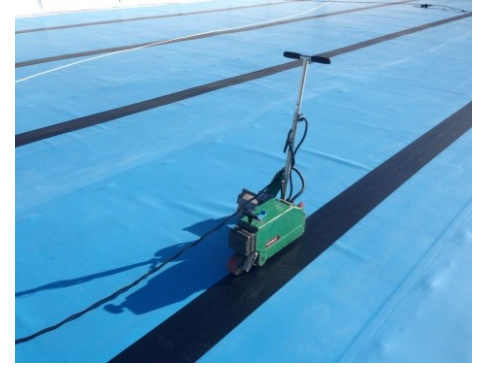
WATERPROOFING: Sikaplan® WP 3100-15R

CONNECTIONS: Sikadur®-31 CF

BUILDING TRUST



MUNICIPAL SWIMMING POOL-EGALEO, ATHENS



PROJECT DESCRIPTION

The Egaleo Municipal Swimming Pool is equipped with two-size swimming pools: the 50 m long, which is the main one and the auxiliary, used for the small kids training. The total surface of both swimming pools is 1500 m².

PROJECT DEMANDS

Key requirement of the project was the waterproofing of both swimming pools, without removing the layer of the existing tiles.

SIKA SOLUTION

The waterproofing solution that was finally selected as the most appropriate for this project was the application of a polymer based membrane. Such a system offers the advantage of application speed, while satisfying at the same time the basic requirement for non-removal of the existing old-layer tiles of both swimming pools.

APPLICATION PROCESS

For start, the substrate was cleaned using the water jetting method, followed by application of the geotextile **Sikaplan® W Felt 500PP**, 500gr/m² weight, as a protection layer of the membrane. Following, the reinforced, PVC based, 1.5 mm thick, waterproofing membrane **Sikaplan® WP 3100-15R** was applied, which is suitable for waterproofing of external swimming pools and is resistant to chlorinated water. The membrane **Sikaplan® WP 3100-14C black 2903** was also applied, in order to separate the lanes of the swimming pool. Finally the embossed membrane **Sikaplan® WP 3100-15RE** was applied in areas where antiskid properties were demanded, such as perimetrically of the swimming pools, near the overflow of the construction.

For connections, gasketing, e.t.c. the 2-component epoxy resin **Sikadur®-31CF** was used.

PROJECT PARTICIPANTS

Owner: **Egaleo Municipality**

Applicator: **Pantelis Costakis & Co**

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