



SIKA AT WORK

Basement Waterproofing of a New High School, Thessaloniki, Greece

WATERPROOFING: SikaProof® A-08

BUILDING TRUST



BASEMENT WATERPROOFING, NEW HIGH SCHOOL, THESSALONIKI, GREECE



PROJECT DESCRIPTION

The project is a complex of school buildings which operates since 1960. An additional building (school) is going to be constructed which basically is an expansion of the complex and will include classrooms, laboratories and a basement for mechanical equipment and storage area.

APPLICATION DEMANDS

The location of the building is in front of the main coastline of the city and therefore ground water is mainly consisted by sea water. The ground water level is -2.50 to -1.50m. Due to the concrete exposure to chlorides (sea water), the concrete had to be protected at the same time.

SIKA SOLUTION

Sika provided a complete waterproofing solution and concrete protection in one system. The open cut excavation was selected as the construction method for this project and therefore the fully bonded membrane SikaProof® A will be easily applied in the base slab and in the wall section, summing up to a total surface of 1.350 m².

Basement build up (slab): Protection concrete, geotextile PP 500gr/m², SikaProof® A- 08, concrete slab.

Walls: Concrete walls, SikaProof® A-08, thermal insulation EPS & drainage sheet for the protection of the waterproofing against backfilling.

PROJECT PARTICIPANTS

Owner: **Municipality of Thessaloniki**

Main Contactor: **Foreas Ateve**

Waterproofing Contractor: **Pantelis Costakis Ltd**

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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