



SIKA AT WORK

Electricity Power Station, Komotini, North Greece

ROOFING: Sikalastic®-843 GP

BUILDING TRUST



ELECTRICITY POWER STATION, KOMOTINI, N.GREECE



PROJECT DESCRIPTION

The Electricity Power Station at Komotini, North Grece is a natural gas substation-power plant. Its construction began in the late '90s and operation started in 2002. With 2 turbines and power generation capacity of 470MW is the largest investment ever made in the last decade in Northern Eastern Greece.

PROJECT DEMANDS

The roof waterproofing of the substation's building facilities with aluminum foil coated bituminous felts completed its life cycle operation. Due to the high cost of removal, the restoration of the waterproofing should take place over the existing layer of bituminous felts.

SIKA SOLUTION

To restore waterproofing of the buildings, the 2-component, pure polyurea sprayed liquid waterproofing membrane **Sikalastic®-843 GP** was chosen. The short curing time and the almost immediate space usability it offers, in conjunction with the wide operating temperature (-30°C to +100°C) and its excellent crack bridging properties were just some of the advantages the system features and were taken into account for its selection. All in all, this system was used for the waterproofing of a 2.000m² roof area.

APPLICATION PROCESS

After preparation of the surface using high pressure water jet (250bar), local rearrangements on the bituminous felt were needed. In addition concrete structure was repaired where needed using **Sika® MonoTop®** cementitious repair mortars.

For priming of the substrate the 2-component anticorrosive primer **Sikalastic® Metal Primer** was used, followed by spray application of the liquid waterproofing membrane **Sikalastic®-843 GP** in two coatings, using high pressure, hot spray equipment. As a final layer, the liquid, aliphatic polyurethane waterproofing membrane, based on MTC technology **Sikalastic®-621 TC** was used, due to its high UV resistance.

PROJECT PARTICIPANTS

Owner: **Public Power Corporation**

Main Contractor: **Techniki Kataskevastiki**

Waterproofing Contractor: **Kypraios Emmanouil**

Our most current General Sales Terms shall apply.

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



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