



Project Participants

Owner: Auto Marin SA
Main Contractor: Achilleus Techniki ATE
Roofing Contractor: Pantelis Kostakis EPE

Other Recommended SikaRoof® MTC Solutions

- SikaRoof® MTC for Exposed Roofs
- SikaRoof® MTC Green
- SikaRoof® MTC Ballast

Sika Hellas ABEE
15 Protomagias Str.
145 68 Kryoneri
Athens - Greece
Tel. + 30 210 81 60 600
Fax + 30 210 81 60 606
www.sika.gr

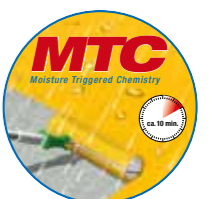
Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.



© Sika Hellas ABEE / BU Concrete / Semptember 2010

Auto Marin Unit Agios Stefanos, Attica

Sika Solutions for Roof Refurbishment with the Technology SikaRoof® MTC



Innovation & Consistency | since 1910



Innovation & Consistency | since 1910



Auto Marin Unit, Agios Stefanos, Attica

Project Description

This new car sales unit is located at the 23rd km of the National Highway Athens - Thessaloniki at Agios Stefanos, Attica. The construction of this modern building was completed at 2009. It consists of 8.000 m² sales, offices and car service areas.

For the roof waterproofing of the building, bituminous membranes were used. As the waterproofing for one of the roofs (450 m² area) failed, there was water ingress affecting the offices area.

Project Requirements

The challenge for this application was multiple:

- To successfully waterproof the roof with a system which would be applied over the original waterproofing. The existing ventilation - mechanical equipment on the roof could not be moved.
- The system should have crack bridging abilities, in order to cover the cracked cementitious screed, which was placed over the bituminous membranes as base for the equipment.
- The new system should provide a long term solution at the climatological conditions of Athens, where roofs are exposed at strong UV radiation.



Sika Solution

The system which was chosen to fulfill all these requirements was the **SikaRoof[®] MTC 18**, a cold applied, seamless liquid reinforced membrane, polyurethane based, of 1.8 mm thickness, applied with roll.

The system was chosen, not only because of its high crack bridging abilities, but also because it was easy to be installed under and between the complicated ventilation units, where no other roofing systems could be applied.

SikaRoof[®] MTC was installed directly over the cracked cementitious screed with the use of the **Sika[®] Concrete Primer**. The reinforcing **Sika[®] Reemat Premium** was embedded to the first layer of the system, **Sikalastic[®] 601 BC**, followed by two layers of **Sikalastic[®] 621 TC**, achieving a total system thickness of 1.8 mm.

