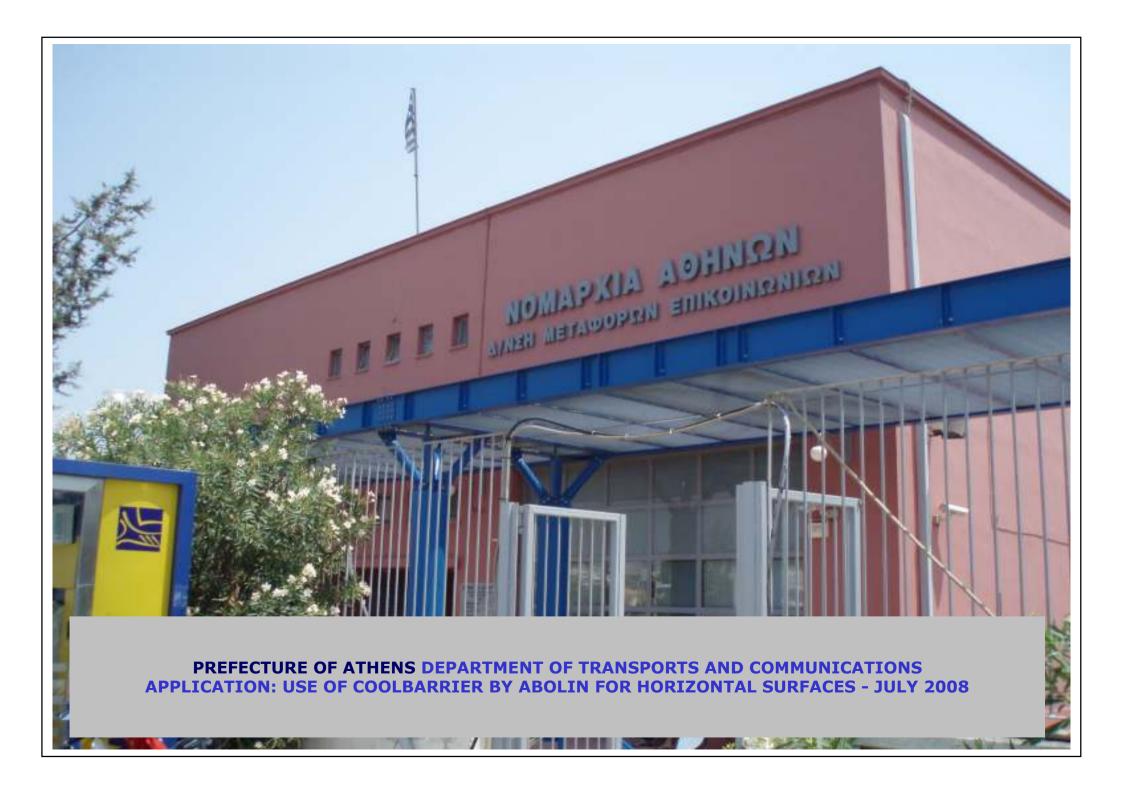
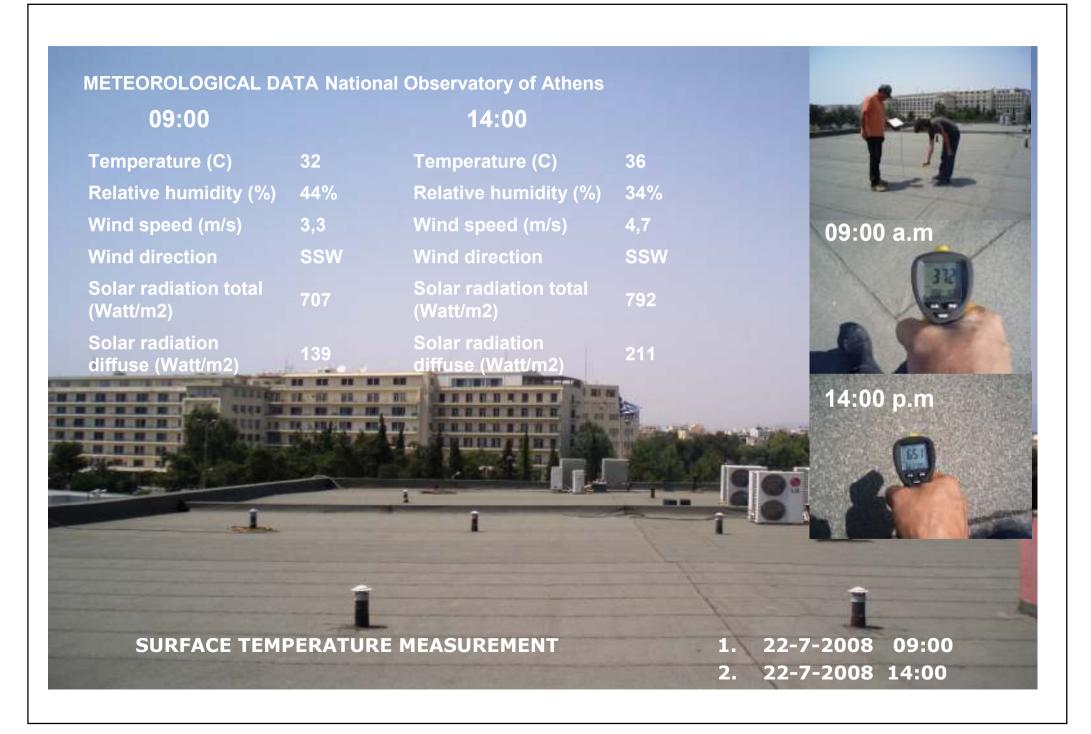
CASE STUDY PREFECTURE OF ATHENS

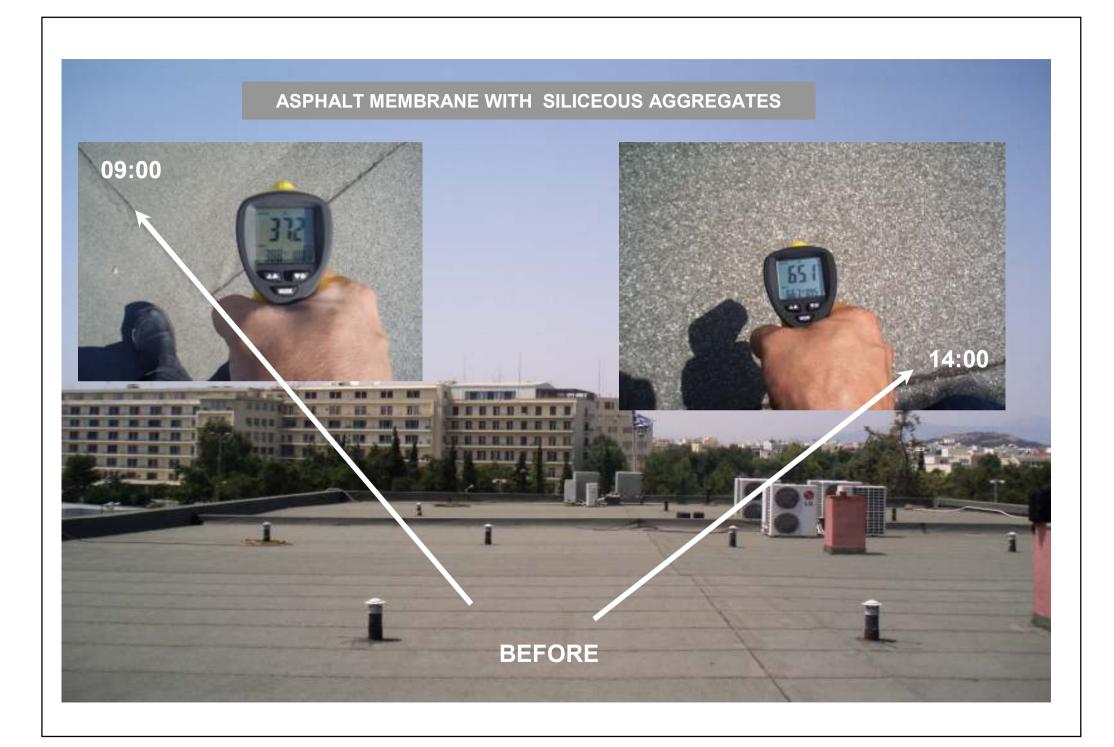
SURFACE TEMPERATURE MEASUREMENT OF A ROOF- BASED ON AN ASPHALT MEMBRANE WITH SILICEOUS GRANULES BEFORE AND AFTER THE APPLICATION OF COOL BARRIER ROOF BY ABOLIN CO.



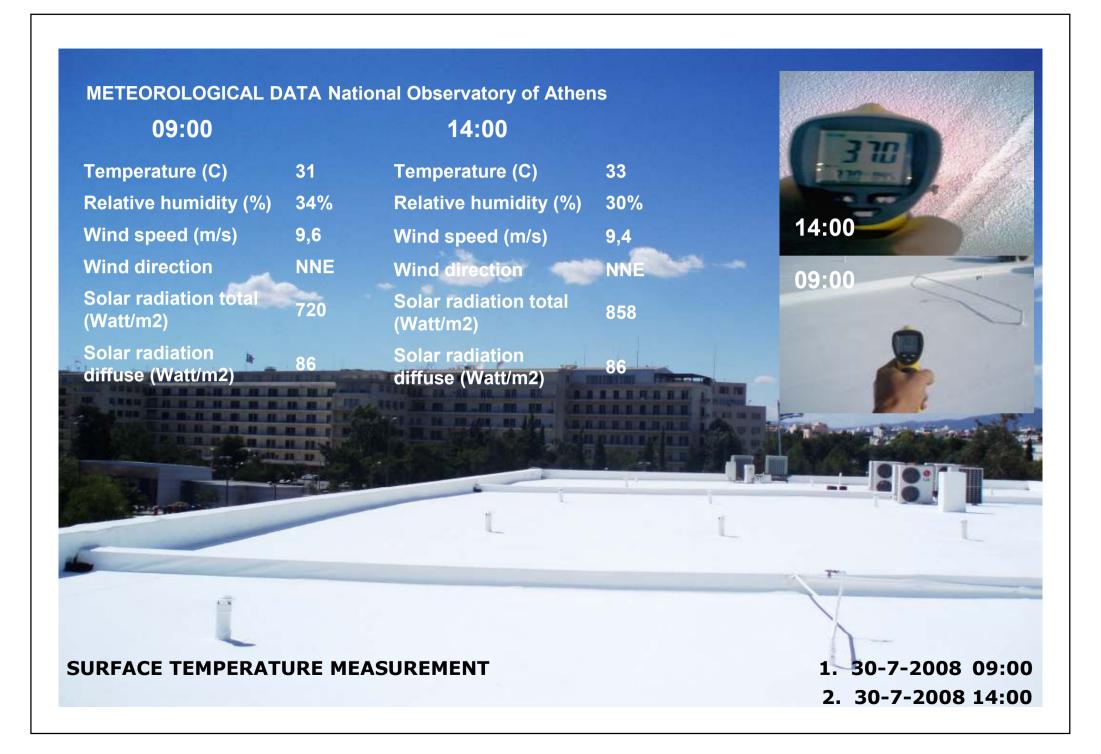


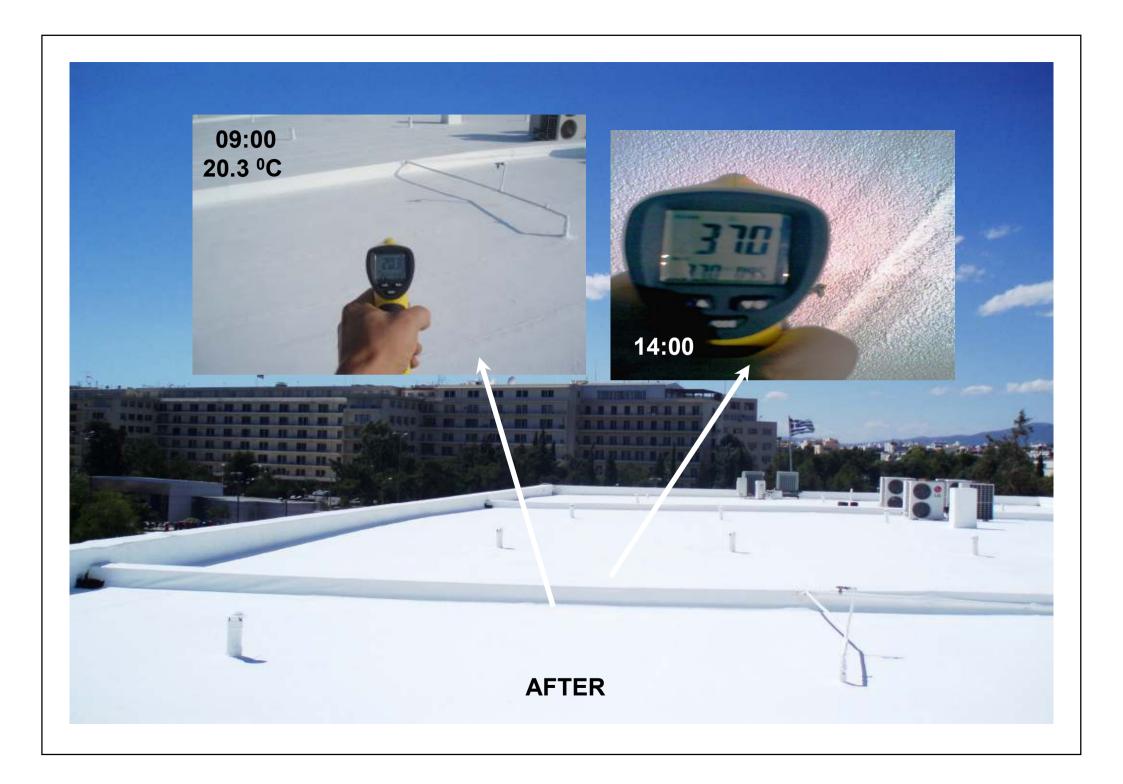




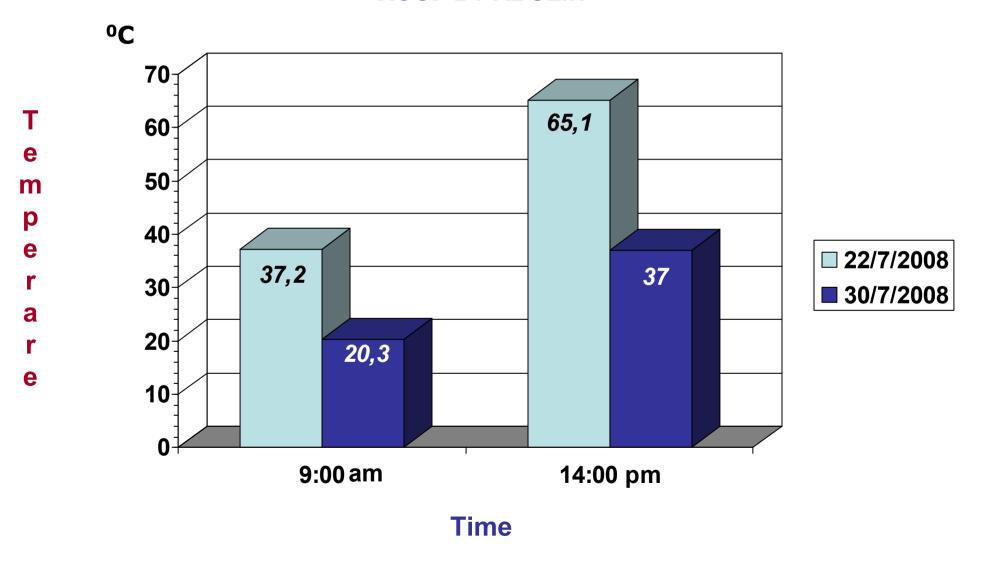


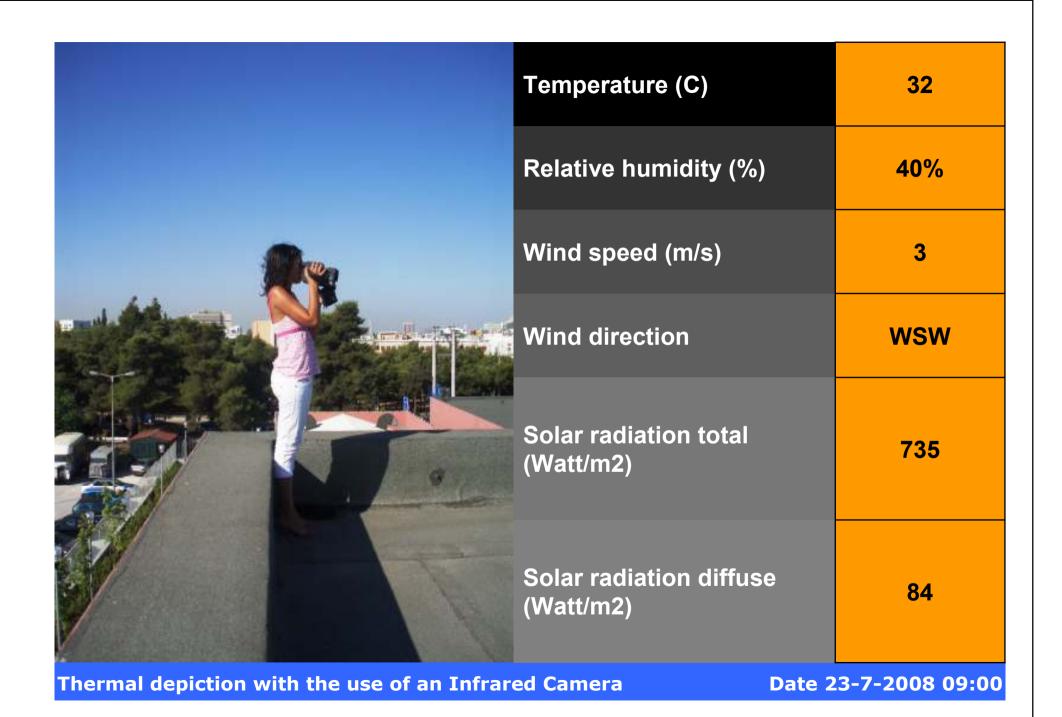


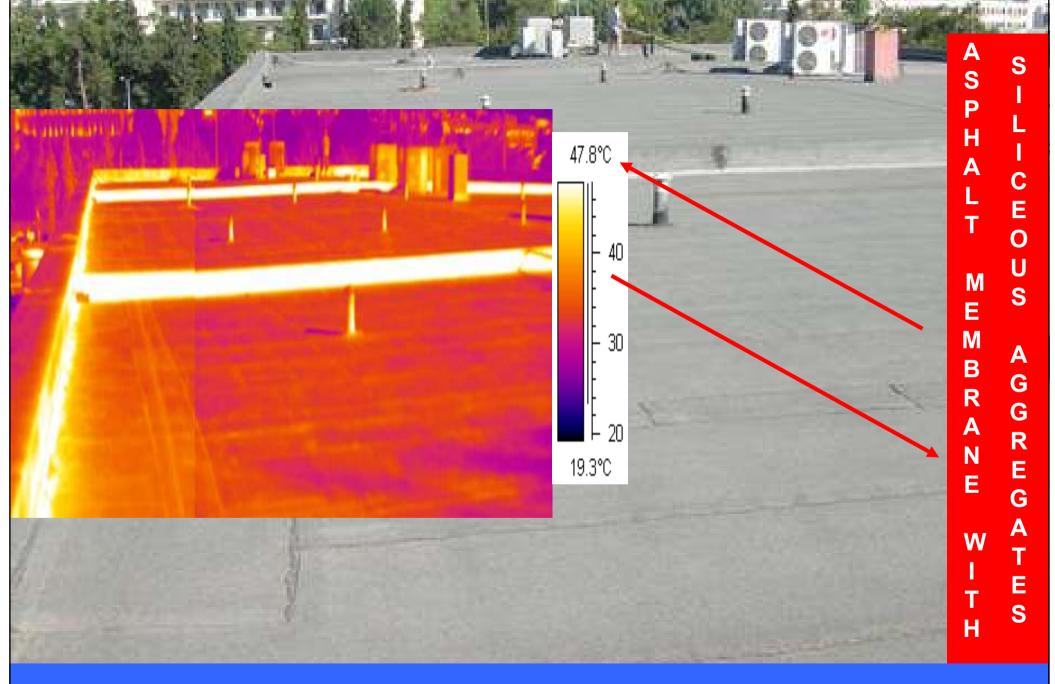




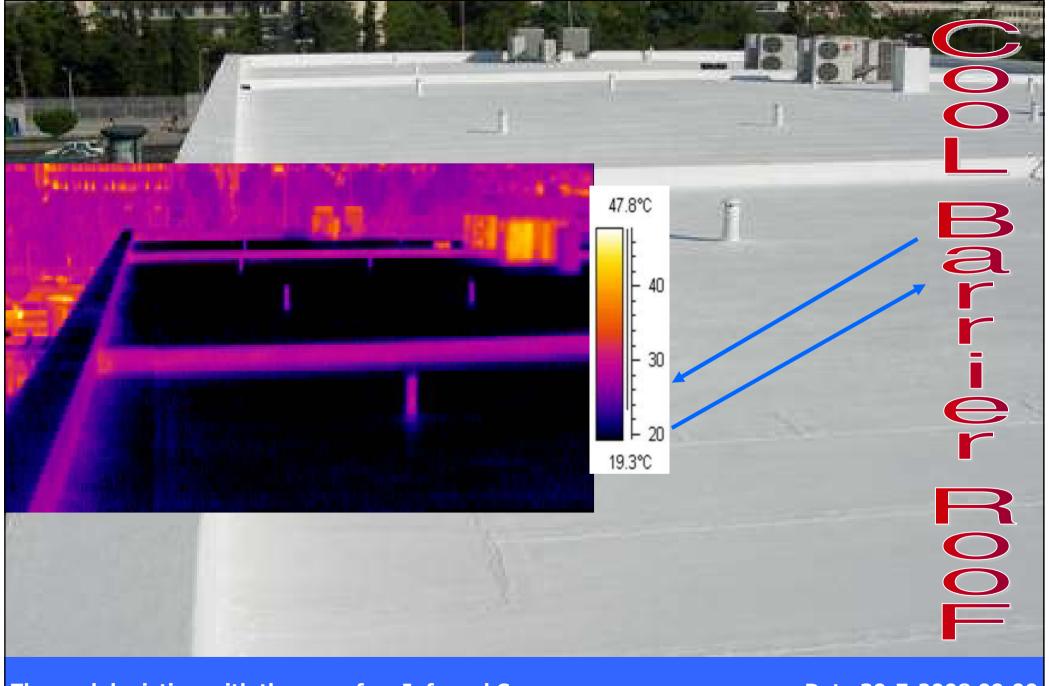
TEMPERATURE MEASUREMENTS WITH THE USE OF AN INFRARED LASER THERMOMETER BEFORE AND AFTER THE APPLICATION OF COOL BARRIER ROOF BY ABOLIN





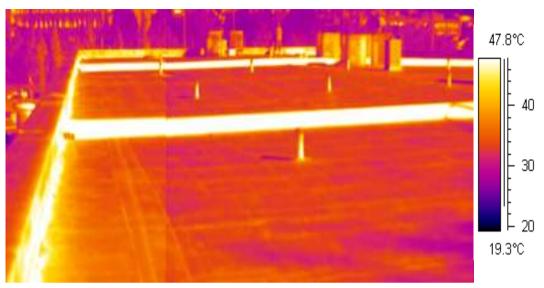


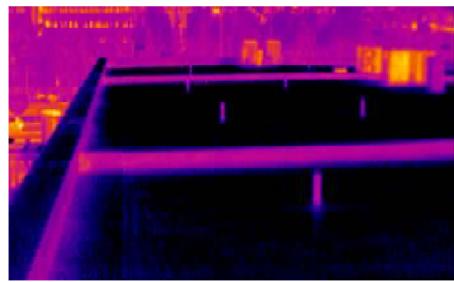
Temperature (C)	31	
Relative humidity (%)	34%	
Wind speed (m/s)	9,6	
Wind direction	NNE	
Solar radiation total (Watt/m2)	720	
Solar radiation diffuse (Watt/m2)	86	
Thermal depiction with the us	se of an Infrared	Camera Date 30-7-2008 09:00

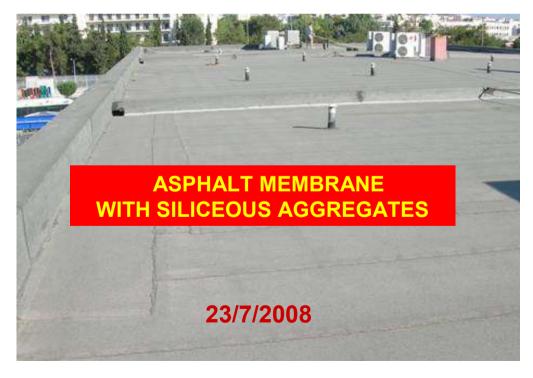


Thermal depiction with the use of an Infrared Camera

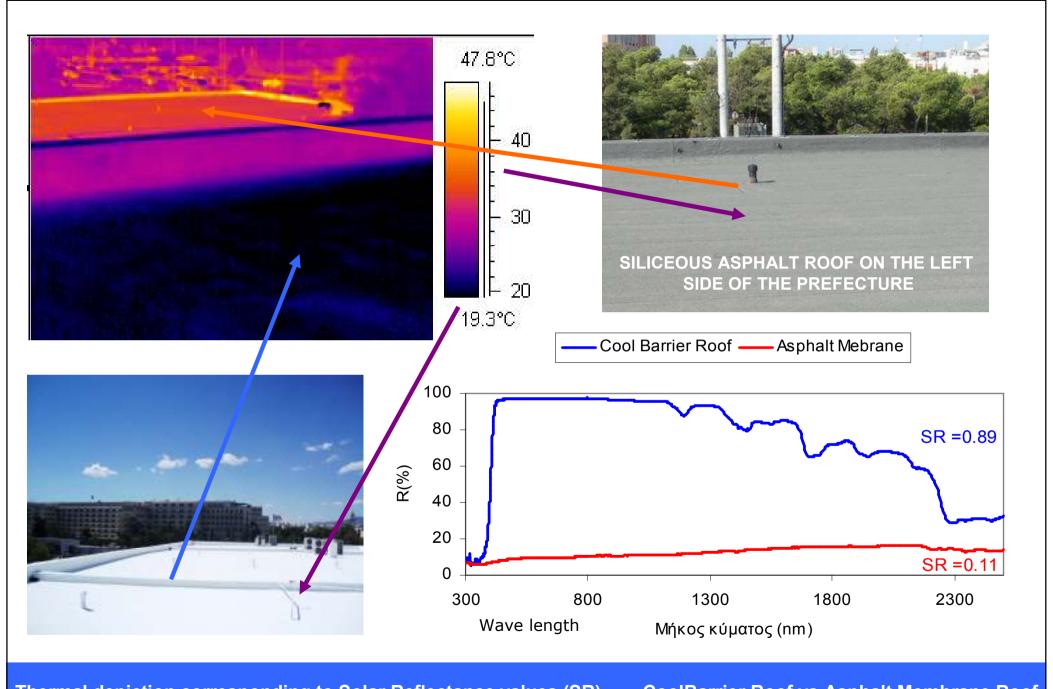
Date 30-7-2008 09:00











Thermal depiction corresponding to Solar Reflectance values (SR)

CoolBarrier Roof vs Asphalt Membrane Roof

DECLARATIONS

The project was organised and funded by the Prefecture of the City of Athens and was conducted by the technical service department of the Prefecture, as a pilot test regarding the use of Cool Coatings in public works.

Director of Technical Services and Project Manager: Mr Th. Kardomateas -Mechanical Engineer Works supervision Mr. Anastasakis- Mechanical Engineer

Temperature Measurements and Infrared dipiction were implemented under the support and the scientific supervision of the Group of Buildings and Environmental Studies, Physics Department -University of Athens.

Scientific Supervisor: Dr. Afroditi Synnefa –Building physicist

Meteorological data were taken from NOA –National Observatory of Athens

Abolin Co. had the honor to participate in this project as an Energy Star® Certified roof product manufacturer.



We can make the World Cooler



Abolin CoolBarrier Technology www.abolincoolpaints.com