Onergy Officiency





Ullman Building, Haifa, Israel

Film Type -> SolarZone OptiTune Dual Reflective Films



Saved 25 kWh рег **SQFT**

1 Year Simple Payback

SolarZone delivers comfort for students, sets record payback at university.

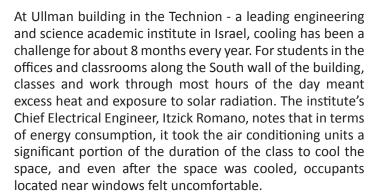
PROJECT TASK







film was the only energy conservation measure (ECM) introduced in the Ullman building.



SOLUTION







When a program was launched to increase energy efficiency and reward faculties with added budget according to the savings they are able to achieve, Technion engineering team consulted with Hanita Coatings partner Al-Sorag and decided to evaluate SolarZone OptiTune dual-reflective films as a potential solution.

A trial installation and study was performed in the spring of 2010, after which it was decided to go ahead with the installation of about 300 sqm of OptiTune 05 film on the building's single-pane clear glazing. A year after the full installation, consumption of the 12 months after installation was compared to the year before. SolarZone window

RESULT







The results that were measured by the engineering team were impressive compared to any ECM installed in the program, and certainly a new record as it related to envelope improvements, which are often considered not sufficiently attractive economically.

Besides the 75,000 kWh saved in annual energy consumption, Romano states that the thermal comfort level has increased significantly throughout the building. "The glare reduction in the afternoon has also been reported as a major benefit to occupants" he adds, "the SolarZone project with Al-Sorag and Hanita Coatings has performed beyond our expectations.



