

Cl/SfB 125	(2-)	(W7)
Common Arrangement C40/J30/J31/P22		

Project: Onsite Renovation and Protection of Solar Panels
Title: Cypria Maris Hotel, Cyprus
Date: 1988

The Cypria Maris Hotel is located in the ancient and beautiful coastal town of Paphos, in southwest Cyprus. The town is a popular tourist resort, attracting thousands of visitors every year.

Each year, Cyprus enjoys over 330 sunny days so solar panels installed on hotel roofs for heating water is not an uncommon sight.

However, the location of the Cypria Maris Hotel creates problems for its solar panels. First, the panels face the sea, so contaminants from the sea bonding on the panels can be extremely corrosive to the surface. Secondly, the dry and dusty environment means the panels rapidly get dirty. Therefore they lose their efficiency unless frequent – and therefore expensive – cleaning is utilised.



The solar panels before and after treatment with ClearShield



The panels would quickly get dirty due to the dry and dusty climate

In 1988, ClearShield was applied onsite to the panels to protect them from the dirt and contamination. After treatment, the panels were always easier to clean and keep clean. The frequency of having to access the roof to clean the panels was also reduced, saving time.

So effective was ClearShield in resisting dirt, the efficiency of the solar panels was increased by some 11% after treatment.

A half-renovated panel shows just how dirty the panels became

