



RESEARCH COOPERATION AND TECHNICAL EVALUATION CERTIFICATE

A research team from Tafila Technical University, in cooperation with Zain Green Technology, the exclusive distributor of Nasiol products of Artekya Technology in the Hashemite Kingdom of Jordan, conducted a research study and technical evaluation of the Solar Coat GC nano-coating designed for solar panel applications. The study was carried out using samples provided by the company for scientific research and academic evaluation purposes.

The study was implemented as part of an academic graduation project using specialized measuring instruments and testing equipment to evaluate the effect of the nano-coating on the surface characteristics and operational performance of photovoltaic (PV) panels.

The preliminary results demonstrated a noticeable improvement in the hydrodynamic properties of the treated surfaces. The study also confirmed that the application of Solar Coat GC nano-coating contributed to reducing dust and dirt adhesion compared to untreated surfaces. Furthermore, the data recorded during the testing period indicated an improvement in panel operating conditions, contributing to enhanced operational efficiency, supporting sustainable energy generation, and reducing the need for frequent cleaning operations.

This work was carried out within the framework of scientific and research cooperation between the research team at Tafila Technical University and Zain Green Technology in support of scientific research and the development of innovative technologies in the renewable energy sector.

Please accept our highest respect and appreciation.

Project Supervisor *Dr. Salman Harasis*

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