

HCM TECHNOLOGY



SOLTEK
NANO COATINGS

SOLTEK™ COATING

Prevents water droplets from forming during rainfall, creating a water screen to wash away contaminants.

UN-COATED

Post rainfall, water droplets are formed, becoming a contaminant after drying.

SolTek Nano Coatings SolTek™ is a superhydrophilic and photocatalytic nano coating. SolTek™ has been designed to be applied to photovoltaic surfaces, to impart a unique range of beneficial properties. Such properties provide a contact surface that is superhydrophilic, and chemically resistant. Its photocatalytic properties convert light energy to chemical energy maximizing its power efficiency. Furthermore, SolTek™ is a multi-layered formula 50-100 nanometers thick which enables the user to achieve maximum efficiency while minimizing regular cleaning maintenance and water usage.



PROBLEM:

Energy loss annually from soiling amounts to as much as 7% in parts of the United States.

SOLUTION:

Apply SolTek Nano which contains superhydrophilic, anti-soiling, and photocatalytic properties.

VALUE PROPOSITION:

Maximize efficiency up to 5-12%
Minimize annual maintenance by 50-75%
Less water usage
Environmentally friendly

BENEFITS OF SOLTEK NANO COATING:

Superior Self-Cleaning superhydrophilic properties
Photocatalytic properties
Anti - soiling
3-5 year life expectancy