

The Best Choice for Arid Climates and Regions with High Soiling Rates: Suntech Modules with Strong Anti-Soiling Coatings



In desert and heavily polluted areas, soiling will block some of the light through and its acid-base properties will aggravate module surface erosion and reduce power output. Suntech's anti-soiling coated glass is good for solving this problem.

The best choice for arid climates and regions with high soiling rates (seasonal or desert soiling areas).



Features



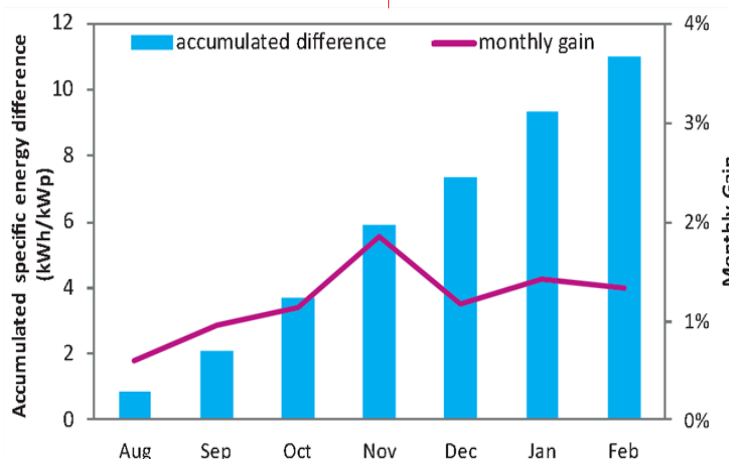
Outstanding durability performance

- ◆ Excellent anti-reflective properties: average transmission gain is 3%, comparable to AR coating
- ◆ Significantly better anti-soiling properties compared to AR-coated or uncoated glass
- ◆ Strong performance in durability tests (acc.to IEC 61215), comparable to AR coating
- ◆ Excellent UV resistance, essential in areas with high sun loads



Reduce dust accumulation and save cleaning and maintenance cost

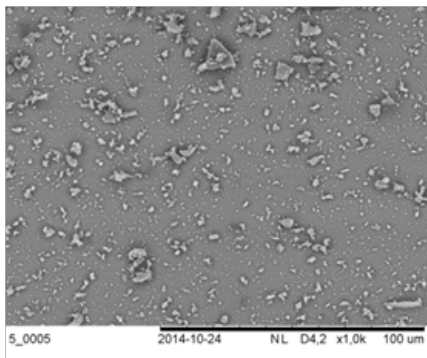
- ◆ Reduction number of cleaning cycles
- ◆ Easier and faster cleaning, less use of consumables
- ◆ Lower residual soiling level after cleaning



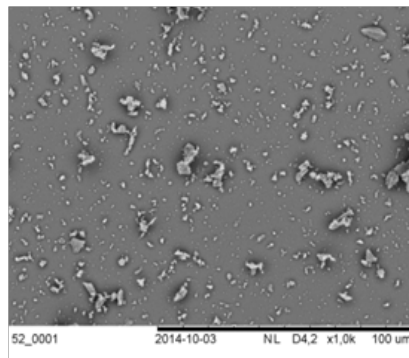
At the TÜV SÜD test site in Dunhuang in China, the Anti-Soiling coating outperforms the AR coating each month by 1.3% on average.

Soil coverage

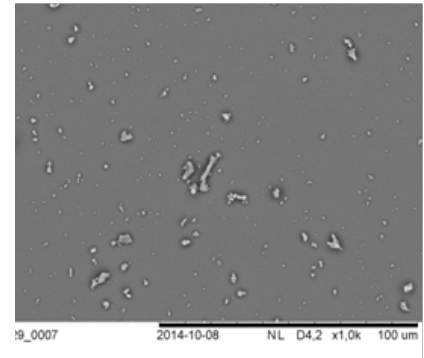
Blank glass 20.8%



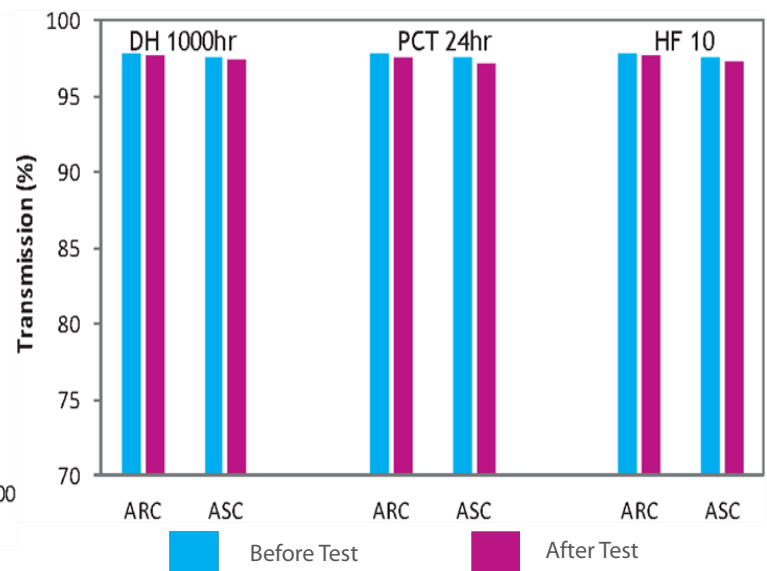
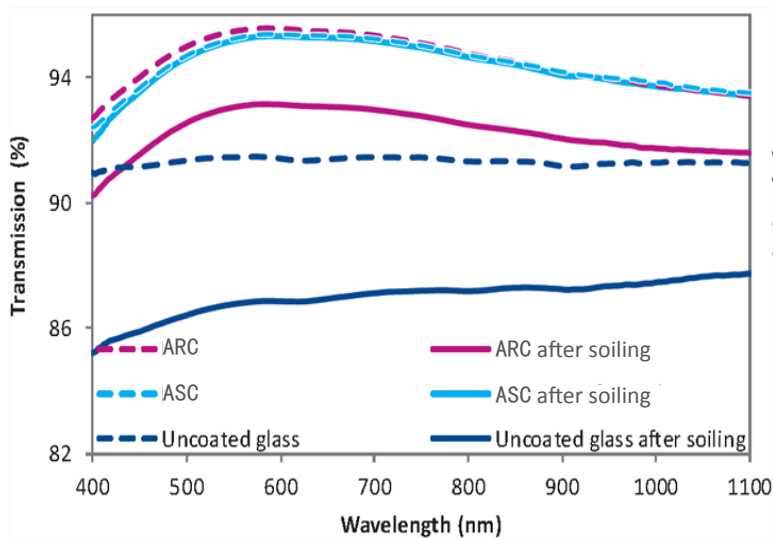
AR coating 11.1%



AS coating 2.3%



Anti-soiling performance: AS coating > AR coating > Blank glass



The loss of transmittance after executing the Taber soiling test is lowest for the AS coating (<0.1% loss). The performance of glass coated with the new coating is significantly better than both AR-coated and uncoated glass.

The AS coating also exhibits strong performance in various durability tests (DH1000,PCT 24,HF10), and there is only a little difference in transmission between AS and AR coating (before and after test).