

The Best Choice For Deserts or Sandstorm Areas:

Suntech Modules with Strong Anti-Abrasion Coatings



Features



Better Assurance of Light Transmission

Strong anti-abrasion surface repels sand and reduces light transmission degradation (<1% after aging test) to maintain module power and performance.



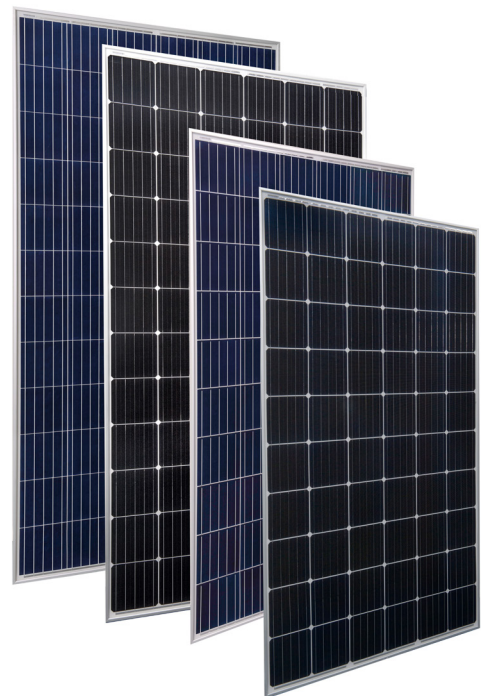
Longer Life Span

Suntech's special anti-abrasion coatings prolongs the life and performance of the modules versus ordinary AR coatings that could result in uneven light exposure of the cells.



More Power Output Yield Over Time

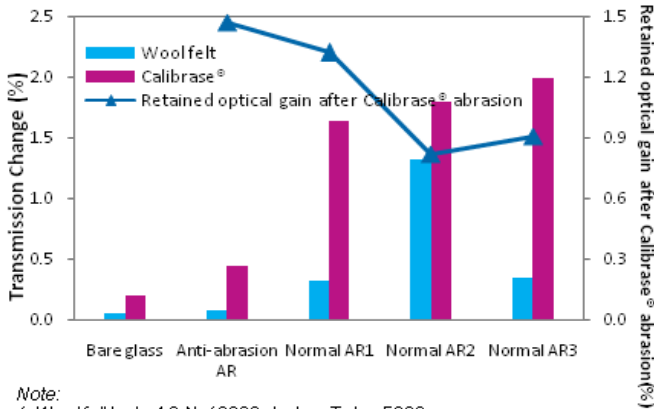
Anti-abrasion coated modules result in higher yield than ordinary AR coated modules after long time installation.



Suntech: Reliable Performance Over Time

High Anti-Abrasion Robust Module

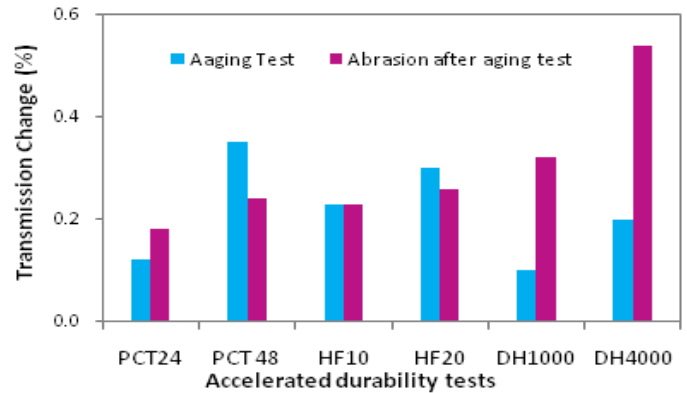
Excellent Abrasion Test



Note:
 1. Woolfelt test: 4.0 N, 10000 strokes, Taber 5900;
 2. Calibrase® test: CS10F, 4.0 N, 50 strokes, Taber 5900;
 3. The retained optical gain after Calibrase® abrasion is compared with uncoated glass;
 4. Optical spectrometer: PE950;

Suntech module's coatings is leading in anti-abrasion performance among various AR coatings after wool felt test (EN-1096-2) and harsh Calibrase® abrasion test.

Outstanding Durability

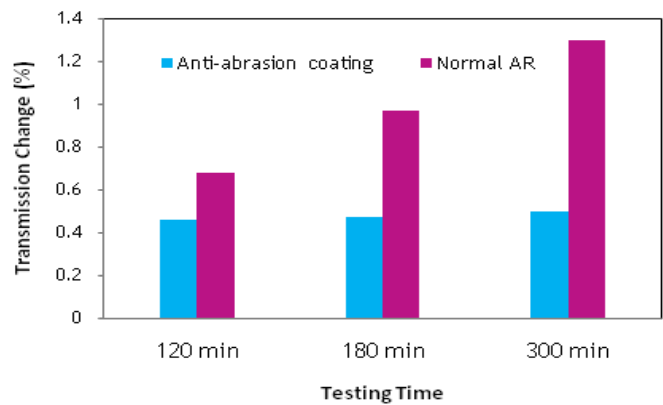


Note:
 1. Abrasion test: CS10F, 4.0 N, Taber 5900, 25 cycles;
 2. Durability test: IEC61215;
 3. Optical spectrometer: PE950;

Anti-abrasion AR coatings used for Suntech modules has been extensively evaluated in accelerated durability tests in accordance with IEC 61215 standard. The anti-abrasion performance after durability tests still has been well maintained.

- The best choice for deserts or sandstorm areas with blowing sand causing abrasion of the glass.
- Suntech's anti-abrasion coated glass can reduce module failures and performance degradation caused by washing, brushing and blowing sand.

Best-in class in Sandblasting Test



Note:
 1. Condition: 2.2 g/m³, 24 m/s, 45 °C
 2. Sandblasting test in CPVT,
 3. Optical spectrometer: Apotek

Anti-abrasion AR coatings shows excellent performance in sandblasting test, much better than normal AR coatings.

Certifications and standards:
 IEC 61215, IEC 61730, conformity to CE

