

# Applied Solar 3ft Roofing Tile

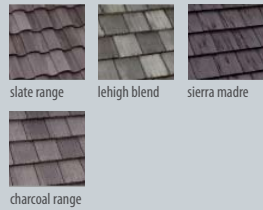
## Aesthetically Pleasing, Light Weight And Easy To Install



### Slate Gray

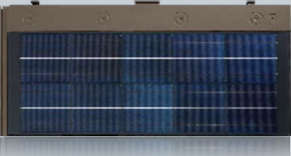


### Most Compatible Tiles



Applied Solar's Roofing Tile is a unique product that maintains the natural look of your property while generating clean, safe, efficient electricity from the sun. The Applied Solar Tile product line is designed for residential or commercial sloped roofs, and photovoltaic tiles integrate with many standard roofing materials.

### Brown



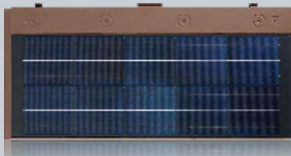
### Most Compatible Tiles



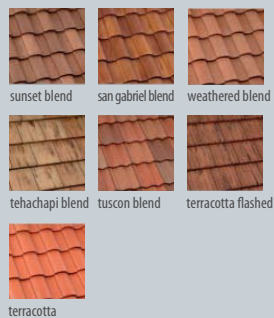
Our roofing tiles are very competitively priced on an installed per watt basis, and can go on virtually anything with a sloped roof: re-roofs, retrofits or new home construction. Manufacturing of our tiles is done by Suntech, the world's largest solar module producer, so you're assured of the highest quality and performance reliability.

*(Continued on next page)*

### Terracotta



### Most Compatible Tiles



# Applied Solar 3ft Roofing Tile At-A-Glance

## BENEFITS

- Provides quiet and reliable power generation
- Maintains natural look and aesthetic appeal of the home
- Reduces pollution and CO2 emissions
- Significantly reduces monthly energy bills
- Provides a safe, secure, and sustainable energy solution
- Sizable rebates and tax incentives are available
- Bank your extra power with the local utility
- Maintenance free, state-of-the-art system
- Adds significant resale value to the property

## FEATURES

- Aesthetically pleasing and beautifully integrated
- Designed to integrate both with flat and S-Tile concrete roof systems
- Available in multiple colors
- Long term reliability and low maintenance costs
- Snow load capacity over 200 lbs per square foot
- Wind load rating up to 80 mph with standard installation. Higher wind ratings available with site-specific engineering
- Tested to 160 mph with site-specific installation techniques
- Light weight, safe, and easy to install
- Provides a waterproof roof with no exposed roof penetrations
- Installs in accordance with the Tile Roof Institute's (TRI) recommendations
- Free internet based solar system monitoring for 10 years
- Tile Warranty: 10 years for 90% power output, and 25 years for 80% power output and no water intrusion
- Inverter Warranty: 10 years, the most reliable inverter available in the industry

## WARRANTY

- 25-Year Warranty On 80% Power Output

## CERTIFICATIONS

- Class A Fire Rated
- CSA certified to UL 1703
- 600 VDC
- FSEC Listed

## TECHNICAL SPECIFICATIONS

### Product Description

High efficiency crystalline photovoltaic cells encapsulated in multi-layered lamination of glass, EVA, and Tedlar with polycarbonate frame.

### Color Availability

Slate Gray, Brown, Terracotta; designed to integrate seamlessly with both flat and S tile concrete roof systems

### Installation Weight

400 lbs. per 100 sq.ft., 12 lbs. per tile

### Roofing Applications

New construction and retrofit; residential and commercial roofs; pitch 3:12 or greater

### Actual Size

17" x 36" x 1"

### Exposed Size

13.5" x 35" x 1"

### Weight

12 lbs.

### Connector Type

Multi contact M/F

### Roofing Information

Head lap: 3.5 in. Exposure: 13.5 in.

### Area per kWp (AC)

100 sq. ft.

### Nominal Power (Pmax)

34 watts DC

### Max Power Current (Imp)

7.09A

### Max Power Voltage (Vmp)

4.80V

### Short Circuit Current (Isc)

7.76A

### Open Circuit Voltage (Voc)

6.07V

### Bypass Diode

1 per tile

### Max. System Voltage

600 Vdc

### Operating Temperature

-40 to +160° F