



**Metal roof covering and photovoltaic system:  
the Teamwork Scores.**

**RIVERCLACK**  
**SOLAR ROOFING**

# Would you rely on a PV plant which doesn't lay on a solid support ?

The roof on which most photovoltaic plants are installed won't last even half of the feed in tariff period.

Actually, the difference between Riverclack® Solar Roofing systems and the other ones on the market is the reliability not only of the photovoltaic portion but of all their elements.

The absolute roof reliability is guaranteed and certified by Riverclack® roof covering system, well known throughout the world for its strength and long life.

Our photovoltaic products have been chosen from the best ones on the market and integrated to ISCOM patented roof covering systems in order to offer our customers the most effective photovoltaic systems on roof.

## To every man his due:

### ELIOS

Integration



### ELIOS DECK

Versatility



### KRYSTAL

Power



**To everybody a snap-locking without perforating the roof**



## 6 QUATTRO

Large plants



Thanks to its forty-year experience in roof coverings, ISCOM can integrate in its Riverclack® technology different photovoltaic systems fitting both architectural and functional needs.

All Riverclack® Solar Roofing systems include SNAP-IN mechanisms enabling a quick, solid and functional installation without altering the roof integrity. Investing in photovoltaic is an eco-choice which finds its economical advantages throughout the years.

Long life is one of the best features of Riverclack® roof covering systems. Only the guarantee of Riverclack® integrated roof covering system will avoid to incur in unexpected costs for replacing the roof.

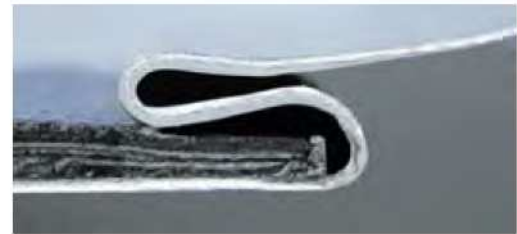
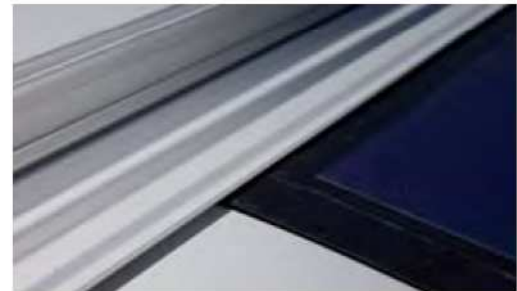
# ELIOS

## The most reliable photovoltaic roof for UNI-SOLAR panels

Lightness and reliability for those ones who are looking for the best in terms of architectural and functional integration. The photovoltaic panel is mechanically glued and seamed on the Riverclack® roof sheet, guaranteeing the laminate complete adhesion to its support for the whole roof duration. A duration warranty that only Riverclack® system can provide. UNISOLAR® triple junction thin film technology is used for Elios system. It assures a very high performance even in case of diffused lighting and in not good orientation conditions. Thanks to Elios system, the photovoltaic becomes roof.

### CHARACTERISTICS

- Lightweight of photovoltaic roof: about 5,5 kg/sqm
- UNI-SOLAR performance warranty plus Riverclack® roof covering system twenty-year warranty.
- Excellent performance at high temperatures.
- Flexibility of laminate bonded to roof sheet and lack of glass guarantee long-life and resistance even in case of hail, allowing the walkability of all elements.
- High performance in terms of kWh produced in a year/kWp installed.
- Excellent performances in case of low irradiation (winter, morning, evening, cloudy days)
- Tolerance to possible shade areas thanks to 22 by-pass diodes.
- Riverclack® sheet wind up lift resistance up to 1100 kg/sqm.





## ADVANTAGES

- Complete in-roof integration.
- Guarantee of the whole system for the feed in tariff duration.
- Lightness.
- Walkability.
- Unique supplier for both roof covering and photovoltaic panel.
- No further costs for the installation of photovoltaic panels.
- Architectural flexibility.



# ELIOS DECK

Elios system reliability plus the "Deck" snap-locking system versatility

It is the right solution for people who are going to keep the photovoltaic plant investment separated from the roof covering investment or for those ones who have already installed a Riverclack® roof and are interested in making an eco-choice.

As well as for Elios, UNISOLAR® triple junction amorphous thin film is the technology used for Elios Deck.

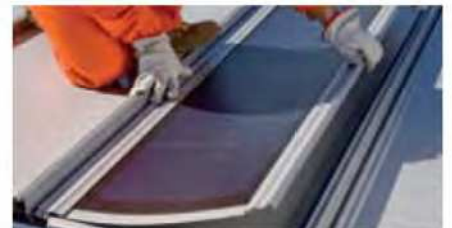
The photovoltaic laminate is glued and seamed to its own metal tray (Deck) and then clipped into the Riverclack® roof sheet without any through perforation.

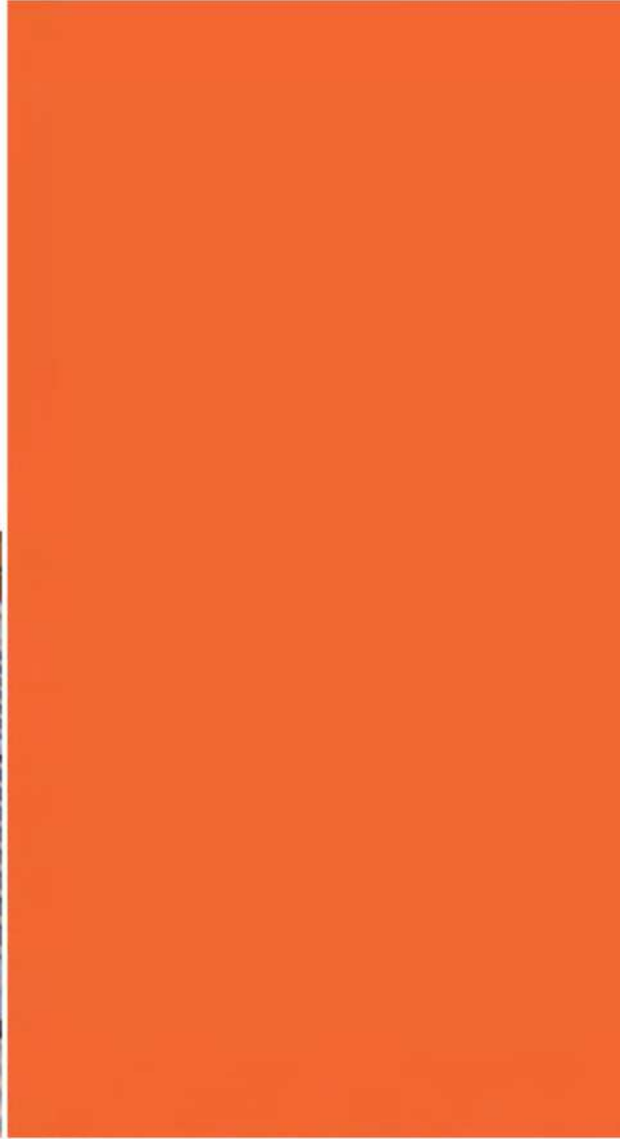
This assures a full reliability of the solar roofing system and long-life. Thanks to the fact that roof covering and photovoltaic system are separated (from a physical and functional point of view), Elios Deck elements can be easily installed and replaced in every moment without compromising the roof impermeability.

## CHARACTERISTICS

- Lightweight of the integrated photovoltaic panel, about 5,4 kg/sqm.
- UNI-SOLAR performance warranty plus Riverclack® roof covering system twenty-year warranty.
- Excellent performance at high temperatures.
- Flexibility of laminate bonded to roof sheet and lack of glass guarantee long-life and resistance even in case of hail, allowing the walkability of all elements.
- High performance in terms of kWh produced in a year/kWp installed.
- Excellent performance in case of low irradiation (winter, morning, evening, cloudy days).

- Tolerance to possible shade areas thanks to 22 by-pass diodes.
- Wind uplift resistance up to 500 kg/sqm.





# KRYSTAL

## The solar roof providing the highest power

In case a high nominal power is required and roof surfaces are not very large, the right solution is Krystal system.

The polycrystalline or monocrystalline panel in "tedlarglass", on purpose designed 3 cells wide, is integrated with our Riverclack® sheet.

The PV panel simply clicks in to place with the Riverclack® roofing system without through perforations of the covering.

Therefore, all waterproof characteristics of Riverclack® covering system are preserved. A perfect integration designed to last throughout the years.

### CHARACTERISTICS

- Photovoltaic panels in high-effective mono/polycrystalline silicon.
- Wind uplift resistance up to 450 kg/sqm.
- Weight about 12,5 Kg/sqm.
- The reduced panel width offers a considerable resistance to unfavourable weather conditions (hail) and to walkability in case of roof maintenance.
- Riverclack® covering system 20-year guarantee.

### AVANTAGES

- Ease of installation without perforating the roof.
- Replacement and maintenance ease and quickness.
- Possibility to choose supplier and panel to fit your own needs.
- Excellent ventilation for the lack of traditional frame that limits the air stream.
- Low architectural impact
- System guarantee for the whole Feed in tariff period.







# 6QUATTRO

The certified roof system for First Solar® modules

**6**Quattro system results as the joint experience in roofing and integrated solutions of ISCOM and expertise of First Solar® in the production of thin film photovoltaic panels.

First-Solar® photovoltaic panels with thin film semiconductor technology are perfectly integrated to the Riverclack® sheet.

Installation through snap locking system without any through perforation maintains all Riverclack® roof features unchanged.

6quattro is the right solution for large photovoltaic plants for a power equal or higher than kWp 30.

## CHARACTERISTICS

- High energetic performance at different climatic conditions.
- Excellent performance even in case of low irradiation.
- Low heat coefficient.
- Eco-friendly thanks to the financed programme for panels collection and recycling.
- Wind uplift resistance up to 450 kg/sqm.
- Roof sheet working width: mm 640.
- Distributed load resistance.
- Integrated panel weight: about 20 kg/sqm.

## AVANTAGES

- Ease of installation without through perforations.
- Economical efficient for large plants.
- Excellent performance.
- The system can be added to or panels can be replaced at any time quickly with little effort.
- System guarantee for the whole Feed in tariff period.







**RIVERCLACK**  
**SOLAR ROOFING**

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