

# thermo<sup>slate</sup>

by CUPA GROUP

THERMAL SOLAR NATURAL SLATE ROOFING



# ECOLOGY

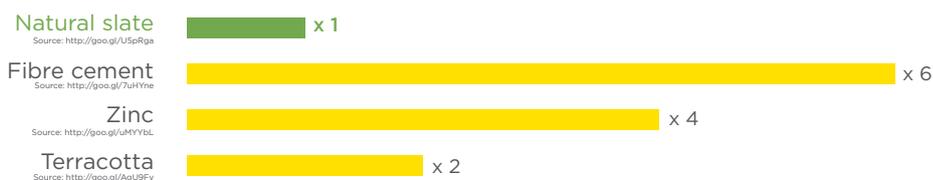


## THERMOSLATE®, the power of nature

The THERMOSLATE® solar collector generates renewable, clean, environmentally-friendly energy.

**1** m<sup>2</sup> avoids the emission of **90 kg of CO<sub>2</sub>** on average  
It naturally heats **50 litres of water** per day

Utilising natural slate as its main component where the production process is **completely environmentally friendly**. An analysis of the product's life cycle confirms natural slate as the most **ecological option for roofs**.



Comparison according to data published by the French database INIES on September 2014:  
<http://www.base-inies.fr/Inies/Consultation.aspx>

## CUPA PIZARRAS NATURAL SLATE

- CUPA PIZARRAS is the world leader, with 16 natural slate quarries and 22 transformation plants. **One out of three slates in the world is a CUPA PIZARRAS slate.**
- CUPA PIZARRAS is the only manufacturer that guarantees its slate and their traceability by means of a **unique bar code**. Our traceability system ensures each slate is monitored from the quarry to the end consumer, guaranteeing the factor that makes us stand out: **QUALITY**.
- **Slate is a 100% natural product**, directly extracted from the quarry. Slate withstands extreme temperatures and weather conditions.

# INVISIBLE



**THERMOSLATE®:** A system that needs to be shown

THERMOSLATE® solar collectors are completely undetectable once installed on a slate roof.



**OVER HERE!**

THERMOSLATE® collectors integrate so perfectly in any slate roof that we have to point them out for you to see them.

ACTIVATE YOUR ROOF WITH **thermoslate**



**2/3**  
of annual hot water requirements



**NO**  
maintenance necessary



**RECOVER**  
the cost of your roof from day one

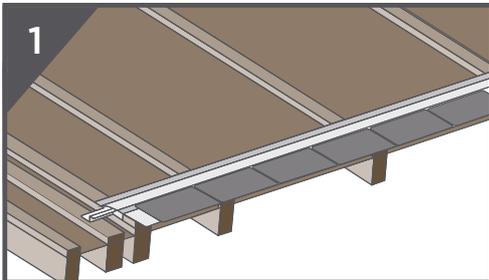


# INSTALLING

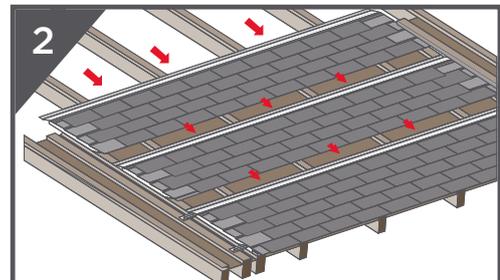
INSTALL YOUR THERMOSLATE® SYSTEM IN JUST 3 HOURS

With its modular concept, **THERMOSLATE®** is fast and easy to integrate on your natural slate roof.

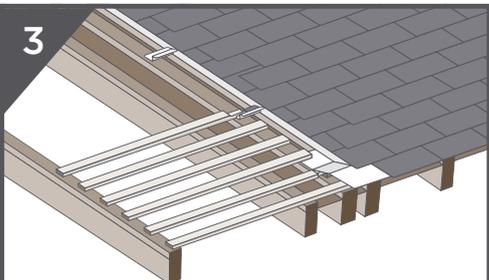
PLACE THE INTEGRATION ACCESSORY



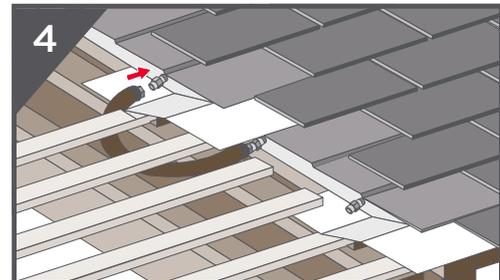
POSITION THE SENSORS VERTICALLY



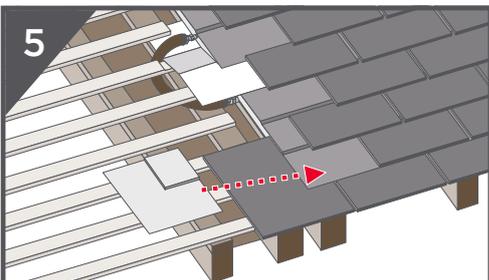
INSTALL THE PERIMETER BATTENS



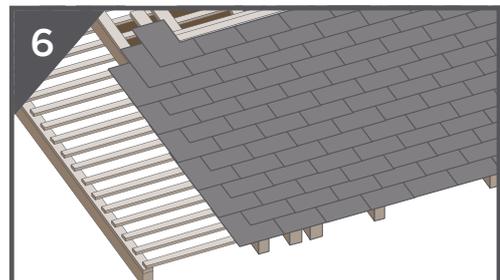
CONNECTIONS



WATERPROOFING KIT



INTEGRATION WITH THE TRADITIONAL ROOF



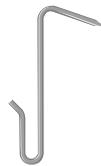
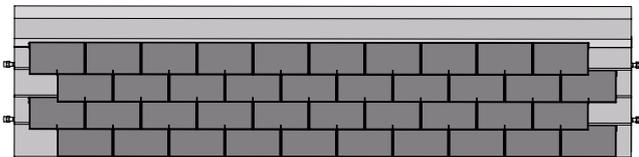
*Request our complete installation guide, or go to [THERMOSLATE.COM](http://THERMOSLATE.COM) for more information.*



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THERMAL SOLAR COLLECTOR | HOOK

## SOLAR COLLECTOR DETAIL | INSTALLATION WITH HOOK



Slate dimensions	32x22 - 35x22 - 40x22 cm
Collector nominal thickness	35 mm
Weight/m <sup>2</sup> (empty)	21 Kg
Fluid content/m <sup>2</sup>	0,38 L

**THERMOSLATE®** thermal solar collectors, with a natural slate finish and installed with a hook, are compatible for perfect integration on roofs using 22 cm wide slate formats with varying lengths.

The result is the combination of a traditional natural slate roof and an innovative solar capturing system with a perfect look.





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THERMAL SOLAR COLLECTOR | NAILS

## SOLAR COLLECTOR DETAIL | INSTALLATION SYSTEM WITH NAILS



Slate dimensions	50x25 cm
Collector nominal thickness	35 mm
Weight/m <sup>2</sup> (empty)	20 Kg
Fluid content/m <sup>2</sup>	0,38 L

The **THERMOSLATE**<sup>®</sup> solar collector system, with a natural slate finish and installed with a nail, integrates perfectly on natural slate roofs with 50x25cm formats.

**THERMOSLATE**<sup>®</sup> conserves the look and durability of a 5 mm thick natural slate and, at the same time, becomes an active element of the building or home, with great added value.





# INNOVATION

CUTTING-EDGE TECHNOLOGY ON YOUR NATURAL SLATE ROOF

Thanks to the efforts of **CUPAGROUP** R&D team, **THERMOSLATE®** is a solar collector system incorporating the latest technical innovations.



## LIGHT AND ROBUST

Weighing just 20 kg/m<sup>2</sup>, **THERMOSLATE®** is highly robust. This solar collector has been developed to be installed on any construction system.



## 100% WATERPROOF

A specific waterproofing kit certified by the CSTB, assures the total evacuation of water on the integration areas on slopes of over 15°



## EFFICIENCY AND SAFETY

Maximum energy efficiency with a maximum operating temperature of 95°, thanks to the properties of natural slate.



## INSPIRED BY NATURE

The veins on the backs of tree leaves inspire the most efficient known energy absorption and fluid distribution system, which the **THERMOSLATE®** collector incorporate.



THERMOSLATE®, CERTIFIED QUALITY





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THERMOSLATE® has been designed and developed by CUPAGROUP

