



Slim

superslim

**10 YEARS
warranty**

The **Slim solar panel** by Costruzioni Solari is the outcome of thirty years of research into materials selection and building techniques and ensures high performance and long-lasting endurance.

Thanks to emerging nanotechnology, we have created a panel that is only 45 mm thick, which is less than half of all other panels currently sold on the market. We have made significant strides in aesthetics and architectural integration with no loss in performance.

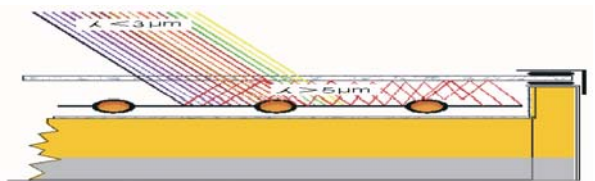
The Slim panel can be easily integrated with the tiles on pitched roofs without overhang and without requiring invasive work on the underlying slab. The panel can also be installed on building façades without detracting from appeal. These unique features allow the panel to meet stringent local regulations on environmental impact and scenic requirements as well as satisfying the growing customer demand for aesthetics and quality.



**COSTRUZIONI
SOLARI**



10 years full warranty



Absorber:

Plate composed of closed-space parallel copper tubes to which copper fins are soldered. The process guarantees lasting endurance over time.

Chromium nitride and chromium oxide selective film, absorbance = 0.9 emission = 0.2;

Tested to 15 bars

Operating pressure 3.5 bars

Inset plate and structural support:

Zinc phosphate, galvanized plasma flame-coated inset plate standing up to the severest atmospheric corrosion.

Transparent covering:

Bright, transparent glass, thickness 4 mm; Luminosity transmission factor 0.9, Reflection transmission factor 0.08.

Thermal insulation:

Nanotechnology material and closed-cell expanded polyurethane covered with aluminium.

	Closed-cell expanded polyurethane	Nanotechnology material
Thermal conductivity	0.035 W/m ² K	0.012 W/m ² K
Density	35 kg/m ³	170 kg/m ³
Thickness	20 mm	9 mm

TECHNICAL CHARACTERISTICS

	“PANDA 1,2” Cu	“PANDA 2” Cu	“PANDA 2,6” Cu
Plate dimensions	1260x930 mm	2050x930 mm	2300x1100 mm
Collector diameter	22 mm	22 mm	22-28 mm
Parallel tubes diameter	10 mm	10 mm	10 mm
Load loss	1.7 mbar *	3.4 mbar **	6 mbar ***
Net surface	1.17 m ²	1.9 m ²	2.5 m ²
Plate capacity	1.1 Liters	1.5 Liters	2.0 Liters
Housing dimensions	1330x1010x45 mm	2145x1010x45 mm	2380x1130x45 mm
Total weight	31.5 kg	50.8 kg	62.5 kg

* capacity 52 l/hm²

** capacity 82 l/hm²

*** capacity 108 l/hm²