

SOLAR HYBRID TILE NR-I-85-200

NEWROOF - HYBRID is made of a 1 mm thick aluminum die-cast aluminum alloy 6060 alloy, with a silicone joint fitted with 28 "28" monocrystalline 5 "colored glass / backsheet laminate; under a sheet of plastic also 1 mm; inside a 5mm aluminum heat sink absorbs the heat generated by the photovoltaic cells during the production of electricity and transmits it to a copper coil whose terminals are welded with a brass fitting for the hydraulic connection; a compact high-density polyurethane layer (density: 40 Kg / m³) is continuously foamed. The metal support is painted with polyester powder in any RAL.

Photovoltaic parameters equal to the photovoltaic version

(The photovoltaic laminate mounted on the hybrid version is the same as the photovoltaic version; the thermal adjustment at 40/45 ° of the photovoltaic cells due to the controlled heat dissipation will allow a power output of about 8/10% higher.

DIMENSION and WEIGHT	
Surface area	0,55 / 0,6 mq.
Weigth	12 kg.
Opening surface	0,50 mq.
Length	2060 mm.
Weight	500 mm.
Thickness	500 mm.
Montage	Orizzontale
PERFORMANCES	
Nominal thermal power	0,20 kW
Performance cefficient	40,1% *
Dispersion coefficinet k1	6,944 W/mq K *
Dispersion coefficient k2	0,026 W/mq K*
HYDRAULIC SYSTEM	
Tubing conformation	Meander
Hydraulic connections	½ gas
Connection between Thermal Newroof	Brass manifold with quick coupling
Hydraukic seal	Double Viton "OR"
Filling Insulation	Polyurethane foaming
HYBDRULIC VALUES	
Volume of thermal fluid	0,10
Maximum operate pressure	10 bar
Maximum operate temperature	200 °C
CERTIFICATION and WARRANTIES	
Certification	IEC 61215- EN 61730 - EN 12975-UNI 14509 *
Warranty	5 anni

* PANDING CERTIFICATION