

SOLAR THERMAL TILE **NR-T-400**

NEWROOF - THERMAL is made of a 1 mm thick aluminum die - cast aluminum alloy 6060 alloy on which a solar glass is mounted with a structural silicone joint; under a sheet of plastic also 1 mm; inside a absorbent with selective surface, absorbing solar heat and transmitting it to a copper coil whose terminals are welded to 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.

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	Horizontal
PERFORMANCES	
Nominal thermal power	0,40 kW
Performance cefficient	80,2% *
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
ABSORBER	
Absorber coating	Highly selective
Absorber rate	95%
Issuance	5%
Absorber material	ALANOD MIROTHERM
CERTIFICATION and WARRANTY	
Certification	UNI 14509 - EN 12975 *
Warranty	5 years

*PANDING CERTIFICATION