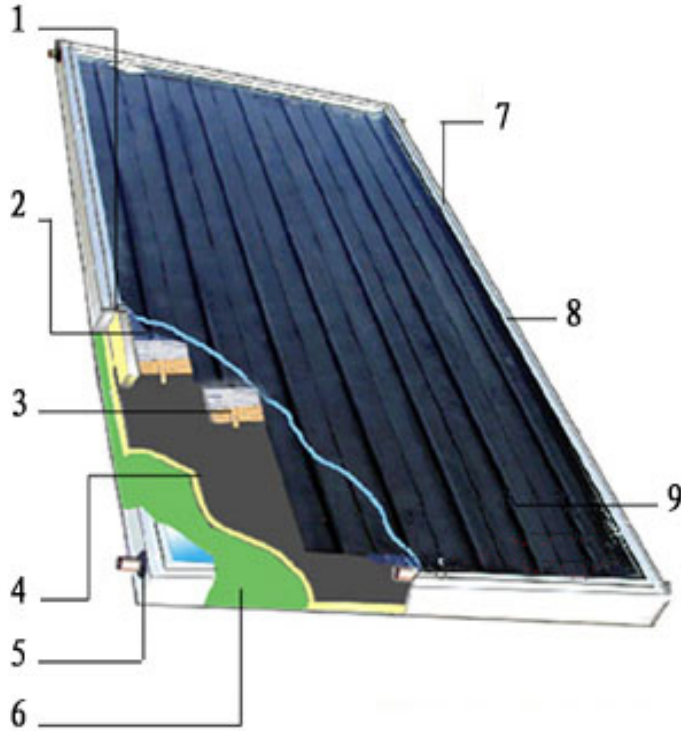


## **Emerald Series All-copper Flat-plate Collector**



1. Glass gasket: Rubber substance coped with special solution assures long life and avoids all water penetration.
2. Coating: The black chrome plating or selected absorber coating, with high absorbance, powered adhesion and durability.
3. Full copper absorber plate: Compound with the sun-strips and large diameter copper tube. Less welding seal, higher strength and standing higher pressure.
4. Disposed special insulation: Reduced the heat-loss and improved the collector's performance. With better appearance.
5. Gasket and sealant
6. Thick steel back plate
7. Aluminum alloy batten: Stripy aluminum extrusion article and smooth rubber gasket insures high stability and product the water

tightness. This allows easy access to the collector for repair or maintenance at any time or location.

8. Aluminum frame with electrophoresis coating: Good appearance and high anti-corrosion. Coped with special joint, it can be installed easily and not be damaged by typhoon..

9. Glazed: Toughened glass, with high lighting-transmit, stable and durable.

### EMERALD SERIES Specifications

Model	EMERALD2T	EMERALD2Q
Dimensions	2000*1000mm	
Inner Panel	Self-melt welded copper fin tubes	Self-melt welded copper fin tubes
Frame	Aluminum extruded profile with electrostatic paint	
Inner panel coating	TINOX	Black chrome
Absorb and emission	A=95%, e=5%	A=95%, e=10%
Insulation	Glass fiber	Rock wool
Net absorption surface	1.82m <sup>2</sup>	1.82m <sup>2</sup>
Tubes	Dia1/2 inch, thick 0.5mm	Dia12mm, thick 0.5mm
Number of tubes	7	
Glass	Tempered glass 3.2mm Efficiency 87%	Tempered glass 3.2mm Efficiency 87%
Pressure	8 bar	
Manifold	DIA28mm	DIA22mm
Inlet & Outlet Diameter	3/4 inch	3/4 inch
Back cover plate	0.35mm	0.5mm
Weight	40Kg	37Kg