***Turnkey-projects……Custom made solutions…….Sustainable equipment….No-nonsense technologies***

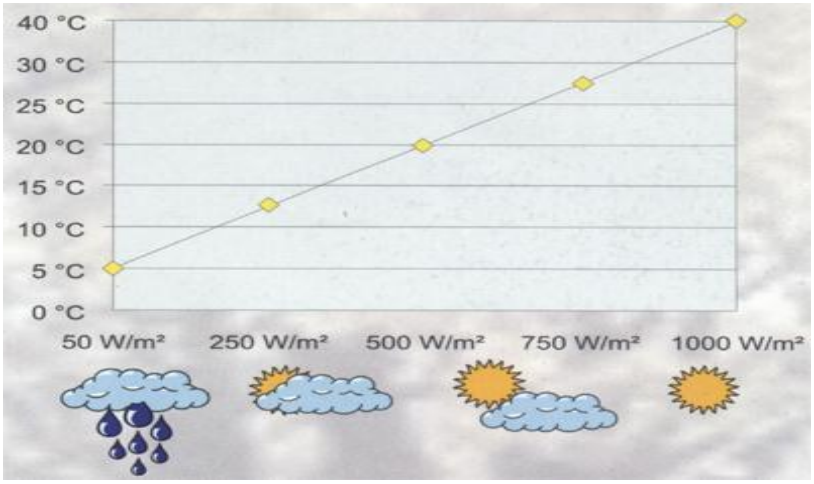
**BE SMART ….BUY SOLAR !!!** **THINK DIFFERENTLY…INSTALL SUSTAINABLY**

# SOLAR VENTILATION

**Problem situation:**

Many houses and holiday chalets suffer from moisture and poor indoor air quality. During the cooler seasons, heating can be very expensive. Solar heating and ventilation systems can be used to preheat the air and ventilate the building without energy cost.

INCREASE OF AIR TEMPERATURE




The solar system consists of the following basic components :

- Solar panel with tempered glass and high efficiency absorber plate
- DC air blower
- Insulated box
- Photovoltaic cell panel

Advantages of solar ventilation:

- Comfortable indoor temperature
- No humidity, clean, dry air
- Maintenance free
- Helps to protect and conserve pre-existing building materials
- Easy installation
- No use of energy

**Working principle:**

Air from outside flows through the collector. The air is then heated by the special absorber utilising solar energy.
The built-in ventilator fan transports the warm air throughout the building.
The sun determines when and how much warm air is conducted inside.
The system doesn't need electricity and works fully self-sufficient

Types and models available between 1,3 m² to 12,5 m²

Have a look at our website www.ewatec-global.com for other renewable technologies

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