

Quality assurance measures for solar thermal products in Macedonia



Regulatory Framework

Building Regulation (general)

- There are no special rules / regulations for solar thermal systems / components in the building regulation.
- There is a book of rules for energy efficiency of new constructed buildings.
- There is a strategy for energy development in Republic of Macedonia till 2030, this is prepared from ministry of Economy.



Public Incentives (subsidies, ordinances or other)

Relevant incentives

- In 2007 and 2009, 500 consumers who have installed a complete solar system 30% from the investment in the system (up to 300 Euros) was returned back.
- No requirements for support schemes was needed.
- It should be prove that the complete system was installed, as well as confirmation of the spend money. Anyone who installed a solar system have opportunity to apply for stimulation, no other special requirements was needed.



Testing

- There is test laboratory that is equipped to perform testing of solar collectors according EN/ISO standards for solar collectors. This laboratory is part from Hydrometeorological Service of R. Macedonia (HMS). This laboratory is not yet accredited.



Solar Test Center



Certification

- There is no national scheme for product and installer certification.



Insurance

- There is no insurance for solar collectors and systems. Some insurance companies insure collectors and systems as part of insurance of building.



Other relevant information

- Reduced cost of customs and VAT on solar collectors and components.
- There are stimulations, but these incidents are given.
- A workshop was held from the Association for Solar Energy - Solar Macedonia - for Solar heating systems integrated into roofs and facades.



Trade Barriers

- There are no trade barriers.



Action needed

- Management and entity of the Solar Test Center should be establishing in accordance with ISO/IEC 17025 standard.
- Solar Test Center should be accredited.
- It is necessary to establish a national scheme for certification of solar collectors and systems and national scheme for certification of installer.
- It is necessary government to give stimulations only for collectors with proven quality.
- It is necessary to educate consumers to buy solar collectors with proven quality.



Thank you for your attention

