

Solar panel in insulating glass technology*

The innovation

The patented composition of the solar-thermal module is comprised of an insulating glass compound, in which an absorber plate is integrated.

- New type of design
- Integration of the absorber plate into a glass sandwich
- Integration by means of insulating glass technology
- Glass is the supporting element
- High heat insulation by the insulating glass principle and special coating
- Extremely compact design



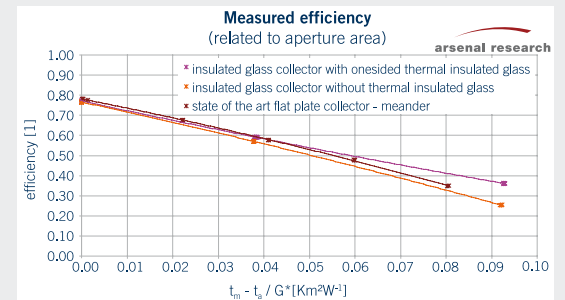
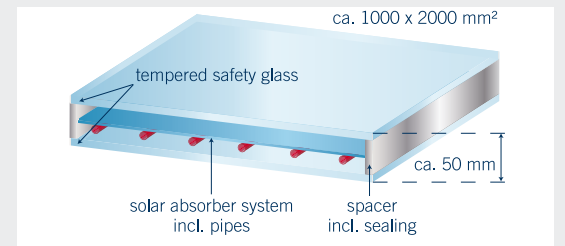
Advantages at a glance

Outstanding cost advantages:

- Fully automatic and therefore time-saving and cost effective manufacture
- Logistics advantages
- Simplified installation

Outstanding technical advantages:

- Compact design (height approx. 50mm)
- Absolutely impermeable to water vapour
- Low heat transfer coefficient due to special coatings
- Integration onto roof and facade
- Very high absorption levels ($\alpha=95\%$ / $\varepsilon=5\%$)
- High durability



To acquire a licence for this new technology, please don't hesitate to contact us!

Keywords

- Solar collector
- Solar thermal energy
- Absorber plate
- Insulated glazing
- High thermal insulation

Patent status

The invention is filed internationally and partially granted. It is owned by ZYRUS Beteiligungsgesellschaft mbH & Co. Patente I KG. The application was filed in February 2006.



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