

## Certificate

**Nr. 11208**

### Outgassing of thermal insulation materials in solar-thermal flatplate collectors with AR coated glass

**Ordered by:**

Paroc Group  
Headquarters, Helsinki Office  
Läkkisepäntie 23  
P.O.Box 47  
FI-00621 Helsinki  
Finland

**Manufacturer:**

Paroc Polska Sp. z o.o.  
ul. Gnieźnińska 4  
62-240 Trzemeszno  
Poland

Represented by Mr. Dominik Grott

**Test sample:**

InSolar 50

**Description of the test sample:**

Stonewool  
without facing  
Specific weight = 50 kg/m<sup>3</sup> \*  
Thickness approx. = 50 mm \*

\* = measured by SPF (not pressed)

\*\* = manufacturer information



**Picture of tested sample**

**Test conditions:**

Test temperature: 220°C  
with analysis of effect on antireflective coated glass

**Delivery of sample:**

22.3.2011

**Validity of certificate:**

7.4.2011 - 6.4.2014

**Realisation of the test:**

Start 24.3.2011, according to test instruction, see [www.solarenergy.ch](http://www.solarenergy.ch)

**Evaluation:**

Sample 1 = v2 / t3

Sample 2 = v1 / t3

Therefore, the sample has successfully passed the test.

**Limitation of liability:**

Our GTC apply, see [www.solarenergy.ch/docu/en/](http://www.solarenergy.ch/docu/en/)

Rapperswil, 28.4.2011

  
Felix Flückiger