

# Certificate

# Nr. 16295

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

**Ordered by:**

Saint-Gobain Isover G+H AG  
Dr.-Albert-Reimann-Strasse 20  
D-68526 Ladenburg

**Manufacturer:**

Saint-Gobain Isover G+H AG  
Dr.-Albert-Reimann-Strasse 20  
D-68526 Ladenburg

Represented by Dirk Ottstadt

**Test sample:**

U Solar EasyRoll 2.5 N

**Description of the test sample:**

Mineralwool  
without facing  
specific weight = 23.6 kg/m<sup>3</sup> \*\*  
thickness approx. = 81 mm \*\*

\* = measured by SPF (not pressed)

\*\* = measured by SPF (50 Pa)

\*\*\* = manufacturer information (50 Pa)



Picture of tested sample

**Test conditions:**

Test temperature: 250°C  
with analysis of effect on antireflective coated glass

**Delivery of sample:**

10.11.2016

**Validity of certificate:**

24.11.2016 - 23.11.2019

**Realisation of the test:**

Start 16.11.2016 , according to test instruction, see [www.spf.ch](http://www.spf.ch)

**Evaluation:**

Sample 1 = v1 / t2

Sample 2 = v1 / t2

Therefore, the sample has successfully passed the test.

**Limitation of liability:**

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

Rapperswil, 7.2.2017

Felix Flückiger