

How-to-do for certifying solar glass at SPF (solar thermal, ST)

Procedure for the solar glass certification ST (solar thermal):

- all measurements, tests and certificates are aimed at the use in solar thermal systems (for PV applications, SPF offers you a separate certification PV)
- the customer fills out the contract from SPF for the solar glass certification ST
- the customer supplies the samples to SPF
- SPF makes first measurements of transmittance and IAM. If the results are not promising, the procedure of the certification can be stopped (reduced costs)
- are the results promising, the sample is exposed under UV light during 250 hours
- afterwards new measurement of transmittance. If the result doesn't allow a certification, the procedure is stopped
- if the results are good, SPF prepares the certificate ST, which is emailed as pdf and sent on paper via post mail to the customer, as well as published on the SPF webside

Contract :

The customer receives a contract from SPF concerning the rights and obligations in connection to the solar glass certification ST. This is to be filled out in two copies for every glass to be certified, with name and adress of the customer, exact designation of the sample, stamp and signature of the customer. Both copies have to be sent to SPF. One copy – countersigned by SPF – is sent back at the end of the procedure, together with the certificate.

Samples needed :

We need two samples in the size of 200 x 260mm. This samples could be tempered or nontempered.

Required time :

For the full certification we need about 3 weeks – after delivery of the samples.

Costs :

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|-------------------------------------------|------------|-------------|
| • measurement of transmittance and IAM | CHF 1400.- | Euro 1030.- |
| • aging under UV, 2nd transmittance meas. | 1800.- | 1310.- |
| • Certificate ST, administration | 1500.- | 1100.- |

further describing documents about certifying solar glass ST (available at SPF) :

Fundamentals_ST.pdf