

How-to-do for certifying solar glass at SPF (PV application)

Procedure for the solar glass certification PV (photovoltaic):

- all measurements, tests and certificates are aimed at the use in PV systems (for solar thermal applications, SPF offers you a separate certification ST)
- the customer fills out the contract from SPF for the solar glass certification PV
- the customer marks the samples (inside / outside) and supplies them 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 PV, which is emailed as pdf and sent on paper via post mail to the customer, as well as published on the SPF website

Contract :

The customer receives a contract from SPF concerning the rights and obligations in connection to the solar glass certification PV. 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 2'800.- | Euro 2'070.- |
| • aging under UV, 2nd transmittance meas. | 1'800.- | 1'310.- |
| • Certificate PV, administration | 1'500.- | 1'100.- |

Further describing documents about certifying solar glass PV (available at SPF) :

Fundamentals_PV.pdf