

Price list – SPF Testing Standard tests and services

Optical measurements

	EUR
Transparent Covers, Glazings	
Transmission measurement I (maximum sample size 300 x 200 mm) Transmission spectrum 0.29 μm – 2.5 μm , determination of transmittance.....	570
Transmission measurement II (samples up to collector size) Transmission spectrum 0.30 μm – 1.7 μm , determination of transmittance.....	570
Incident Angle Modifier (IAM) Measurement of IAM (0° - 70°).....	570
Glass base package Glass base package I (Transmission spectrum I + IAM)	1'030
Glass base package II (Transmission spectrum II + IAM).....	1'030
Certification of solar glass According to the SPF certification scheme.....	3'440
Absorber, Absorber coatings	
Absorptance, Reflectance (maximum sample size 300 x 200 mm) Spectrally resolved 0.30 μm – 19 μm , Determination of α and ϵ	570
Others	
Thermography Thermographic pictures: camera + operator (per hour)	200
Data analysis of the thermograms	on request
Other measurements Spectroscopy	on request

Material tests

	EUR
Insulations	
Assessment of outgassing behaviour Temperature resistance (basic test).....	700
Temperature resistance + Analysis of effect on antireflective glazings.....	1'160
Soldering paste	
Assessment of outgassing behaviour Temperature resistance (basic test).....	1'760
Absorber, Absorber coatings	
Assessment of ageing stability of absorber coatings according to ISO Test of stability against temperature and humidity.....	10'000
Compensators, Connectors, Fittings	
According to the SPF certification scheme.....	2'400

Systems and collectors

Collectors (EN12975, ISO 9806, Solar Keymark, SRCC)	EUR
Performance according to EN12975 (LP).....	3'500
Durability test according to EN12975 (QP).....	5'600
Pressure drop (DP).....	+800
Collector base package: Complete test according to EN12975, (LP+QP+DP).....	6'400
Surcharge for evacuated tube collectors.....	+1'000
Surcharge for heatpipe collectors.....	+500
Surcharge for unglazed collectors.....	+2'000
Surcharge for In-roof collectors with flashing.....	+800
Surcharge for PVT collectors.....	+1'800
Hail test (SPF guideline, vkf), basic test 25 mm.....	1'100
Surcharge additional size (30mm / 35mm / 40mm / 45mm / 50mm).....	+220
Reduced performance test (nonofficial measurement).....	on request
Informal assessment of collector performance and quality (nonofficial tests).....	on request
Surcharge for large collectors.....	on request
Solar Keymark, SRCC.....	on request

Systems (EN12976, Solar Keymark)

Thermosiphon systems

Performance measurement according to EN12976 (LP).....	6'400
Durability test according to EN12976 (QP).....	2'600
Thermosiphon base package*: Complete test according to EN12976, (LP+QP).....	7'100
CombiPack (Thermosiphon base package + Collector base package).....	11'900
Solar Keymark.....	on request

Systems for domestic hot water (SDHW)

Performance test according to EN12976 (LP).....	7'700
Durability test according to EN12976 (QP).....	2'800
SDHW Base package*: Complete test according to EN12976, (LP+QP).....	8'900
CombiPack (SDHW Base package + Collector base package).....	13'800
Solar Keymark.....	on request

*Surcharge for non-tested collectors

Collectors which cannot be tested separately.....	1'700
Collectors which can be tested separately.....	4'500

Other

The price list gives an overview about our standard tests and services. However, our infrastructure for testing and measuring components for solar thermal applications allows for much more. Let us know about your requirements, your demands and your wishes so that we can offer our custom made solution.

Prices in CHF, USD and GBB upon request. Contact: testing@solarenergy.ch

Remark

The indicated prices are without VAT. SPF reserved its right to offer the services for a differing price. Please ask for a valid offer. Our General Terms and Conditions apply.

Prices are effective from 01.02.2011