

AWT 1897_2 TEST REPORT APPLICATION SERVICE DEPARTMENT

CUSTOMER

IZOLAČNÍ skla a.s.

Pustimer 260
CZ-683 21

TASK

Fogging test according to EN 1279.6

“Film in Spacer” Insulating Glass

RESULT

The requirements are fulfilled. No condensation is observed.

DATE

10.03.2015

TECHNICIAN

Stretz / Gantner

CONTACT

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Test specimens

6 Test units (2x Fogging test; 4x Audit test) received 09. February 2015

Sample size:	350 x 500 mm
Total thickness:	32 mm
Assembly [mm]:	Glass 4mm – Spacer 24mm (including PET film) – Glass 4mm
Spacer material:	Rolltech Ferrotec, bended, soldered connection
Secondary sealant:	Kömmerling GD 677HM
Primary Sealant:	Kömmerling GD115
Gas filling:	90% Argon
Desiccant:	Grace Phonosorb 551 #1000268015
Glass 1:	Float
Glass 2:	lowE

Performed test:

Fogging Test according to EN 1279 part 6

According EN1279 part 6 the test is performed to check whether unacceptable condensation appears on the glass surface facing the unit cavity, due to release of volatile substances.

The release of gaseous substances is achieved by applying heat at a point on the relevant organic component. Condensation is achieved by cooling a spot of the glass surface. After exposure, the test pieces are visually inspected for evidence of fogging on the interior glass surface.

Cold spot temperature: $20^{\circ}\text{C} \pm 3^{\circ}\text{C}$

Surface temperature glass: $58^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Duration of the test $168 \pm 4\text{h}$

Visual inspection:

The test units (2 samples) are observed by transmission and reflection, for interference and for scattered light caused by fogging e.g. the test pieces are cleaned and mounted each in turn in a viewing box at eye level. The observation is done directly in front of the test piece at a distance of approximately 1m. It is looked for evidence of dirt or other contamination on interior of the glass surface.

If condensation occurs the test unit is stored for seven days at 15°C to 25°C (59 to 77°F) and re-examined. No permanent visual condensation is permitted.



Test assembling:

Test units

Cooling plate

Ultra-Vitalux 300W
(covered)

Example photo

Result

No condensation occurred.

Please note: All given data are based on careful examination in our laboratories and our past practical experience. These are non-binding indications. Given the high number of materials appearing on the market and the different methods of use which are beyond our influence and control, we naturally cannot accept any responsibility for the results of your work, also with regard to third party patent rights. We recommend that sufficiently thorough tests be carried out to as certain whether the product described will meet the requirements of your particular case

i.V. RALF STRETZ

i.A. DIETER GANTNER

APPLICATION TECHNOLOGY