

IKATES, s.r.o. – Laboratory for glass and building products testing



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TEST REPORT

No. : 248B / 2014

Test item : **Insulating glass units**
- fogging test acc. to EN 1279-6

Client (address): Erpasan Kalıp Plastik Kimya İnş. Nak. San. Tic. Ltd. Şti.
Pirireis Mah. Barbaros Cad. Darıca Sanayi Sitesi
A Blok No: 1-2-3-4-5, Darıca-Kocaeli, Turkey

Producer (address): Erpasan Kalıp Plastik Kimya İnş. Nak. San. Tic. Ltd. Şti.
Pirireis Mah. Barbaros Cad. Darıca Sanayi Sitesi
A Blok No: 1-2-3-4-5, Darıca-Kocaeli, Turkey

Place of test performance : testing laboratory IKATES, s.r.o., Teplice

Date of sample receiving : 2014-10-03

Date of test performance : 2014-12-12 to 2014-12-19

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Manager of testing laboratory :

Jiří Stránský



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Normative foundations :

ČSN EN 1279-6 (2003): Glass in building – Insulating glass units – Part 6 : Factory production control and periodic tests

Sampling :

Following test specimens of insulating glass units 350x500 mm were supplied to testing (appearance see annex):

2 pcs. float glass 4 mm / 12 mm Al, argon / float glass 4 mm

Components list:

glass – float glass according to EN 572-9, Trakya Cam

spacer – aluminium, Nedex, 12 mm, with butyld plastic corner

desiccant – molecular sieve ERPASAN, 2 long sides

inner sealant – polyisobutylene ERPASAN BU 2000 BUTYL, seal width 5 mm

outer sealant – polysulphide ERPASAN PS 2000, seal width 4-5 mm (measured on glass)

gas – argon, 90 %; filling through the corners

Metrological provision of tests :

Calibrated measuring gauges of testing laboratory were used during testing. Fogging test was performed using of radiation wall (16 pcs. of 300W OSRAM Ultravitalux). Temperature was controlled by the calibrated thermocouples.

Test results :

Fogging test (ČSN EN 1279-6, annex G)

duration: 168 hours

temperature: 60 °C (hot area – edge of specimens)

27 to 29 °C (cold area – centre of specimens)

specimen No.	1	2
result	no fogging	no fogging



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Statement : Test results, given in this report, apply only to the tested items and does not replace other documents, e.g. administrative characters, issued from other bodies, according to particular regulations.

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Tests were performed by :

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For correctness and validity of report is responsible :
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Jiří Stranský

