

Declaration of Conformity

In compliance with Construction Product Directive (CPD) 305/2011 of Council of European Communities of 9 March 2011 on approximation of laws, regulations and administrative provisions of Member States relating to the construction products. NEWMOS GLASS TRADING LTD has been stated that the construction products

Insulating Glass Units

intended to be used in buildings and constructions with declared characteristics under the conditions as given on CE labels placed on the market by

NEWMOS GLASS TRADING LTD.

and produced in the factory at

No:9 Özgürlük Caddesi, Organize Sanayi Bölgesi Haspolat, Nicosia, CYPRUS

are submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan. The following approved laboratories were involved body for the initial type-testing for the relevant characteristics of the product:

IKATES, s.r.o.,

Tolsteho 186, Retenice, 415 03

Teplice, Czech Republic

Testing laboratory No.1139 accredited by Czech Accreditation Institute, o.p. s. acc. to CSN EN ISO/IEC 17025:2018

This declaration attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of standard

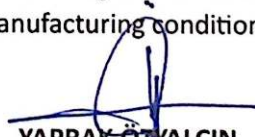
EN 1279-5 : 2019

Glass in building- Insulating glass units – Part 2: Long term test method and requirements for moisture penetration

were applied and that the products fulfil all the prescribed requirements under system 3.

This declaration was first issued on 26.05.2023 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Date: 26.04.2023


YAPRAK ÖZALÇIN
Chair of Board of Directors
NEWMOS GLASS TRADING LTD.
NEWMOS GLASS TRADING LTD.
MŞ: 7625
LEFKOŞA



IKATES, s.r.o.

Laboratory for glass and building products testing

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Testing laboratory No.1139 accredited by Czech Accreditation Institute, o.p.s.

according to ČSN EN ISO/IEC 17025:2018

TEST REPORT

No. : 29 / 2023

Test item : **Insulating glass units**
- long term test method and requirements for moisture penetration according to ČSN EN 1279-2 (initial type test)

Client (address): **NEWMOS Glass Trading Ltd**
No:9 Ozgurluk Caddesi, Organize Sanayi Bolgesi,
Haspolat, Lefkosa, CYPRUS

Producer (address): **NEWMOS Glass Trading Ltd**
No. 9 Ozgurluk Caddesi, Organize Sanayi Bolgesi,
Haspolat, Lefkosa, CYPRUS

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

Date of sample receiving : **2023-02-09**

Date of test performance : **2023-02-16 to 2023-05-11**

Date of issue : **2023-05-25**

Number of pages : **4**

Page No. : **1**

Manager of testing laboratory : **Jiří Stránský**



Results and/or information out of accreditation range and subcontracts are in the test report identified. Copying and translating, using of report for other purposes (advertisement, extracts from the report) only with consent of the laboratory. Without consent of the laboratory, this report can be reproduced whole only.

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Normative foundations :

ČSN EN 1279-2 (2019): Glass in building - Insulating glass units – Part 2: Long term test method and requirements for moisture penetration

Sampling :

Following test specimens of insulating glass units have been supplied to the testing laboratory :

Samples description provided by the producer	
IGU construction :	float glass clear 4 mm + 12 mm, Al + float glass clear 4 mm
Number of pieces and external dimensions :	15 pcs 352 x 502 mm x 20 mm
Production date :	2023-01-16
Glass (name, producer, type) :	float glass clear 4 mm; Şişecam
Spacer (material, name, producer) :	Aluminium, 12 mm, sawed, TEK METAL
Corner keys (name, producer, additional sealing) :	Plastic corner keys; ERPASAN KALIP PLASTIK
Joint (name, producer, additional sealing) :	-
Desiccant (name, producer, type, filled sides, T _c) :	Zeolan K, 3Å; Nedex, Turkey, 1,4 – 2,0 mm; 2 long sides; 17,9 %
Outer sealant (name, producer, type) :	IGK 130, polyurethane
Average sealant depth on spacer back (u) :	3,5 mm
Average sealant depth on glass surface (s) :	5 mm
Inner sealant (name, producer, type) :	Erpasan BU2000, polyisobutylene
Average sealant depth (r) :	2,5-3,0 mm
Mass of inner sealant / length and side (R):	2,5 g/m/side
Coating (name, producer) :	-
Edge deletion :	-
Gas filling (type) :	-
Closing of gap filling holes (type) :	-
Special features (e.g. inserts) :	-



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Metrological provision of tests :

Calibrated measuring gauges of testing laboratory were used during testing.

Climatic test was performed in the climatic chamber CTS controlled by the calibrated thermo- and hygrometer and by the validated software CID-PRO.

Determination of moisture content and adsorption capacity of desiccant was performed using of oven Tempra with calibrated thermocouples and verified laboratory balances KERN 770-14.

Test results :

External dimensions :	352 x 502 mm				
Total thickness before aging test :	19,9 mm				
Product name :	MOS GLASS - Insulated glass unit				
Corner construction :	sawed, plastic corner keys – butylled				
Amount of desiccant (filled sides) :	2 long sides				
Average sealant depth on spacer back (u) :	6-7 mm				
Average sealant depth on glass surface (s) :	7-8 mm				
Average sealant depth (r) :	5-6 mm				
Edge deletion :	-				
Special features (e.g. inserts) :	-				
Initial moisture content T_i (%) :	1,27	1,40	1,23	1,36	
Average initial moisture content $T_{i, av}$ (%) :	1,32				
Final moisture content T_f (%) :	2,33	2,44	2,14	1,92	2,32
Average final moisture content $T_{f, av}$ (%) :	2,23				
Moisture penetration index I (%) :	6,14	6,79	4,98	3,68	6,08
Average moisture penetration index I_{av} (%) :	5,53				
Test passed :	YES				



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Statement : Test results, given in this report, apply only to the tested items as received. The test report does not replace other documents, e.g. administrative characters, issued by other bodies, according to particular regulations. The official version is in Czech language.

Distribution list :

2 x NEWMOS Glass Trading Ltd

1 x Laboratory for glass and building products testing IKATES, s.r.o. (archive)

Test results were approved by :

For correctness of the report is responsible :

Michal Hnilička

end of the test report

