

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

Thermally Toughened Soda Lime Silicate Safety Glass

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

is 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

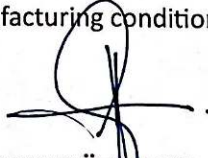
This declaration attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of standard

EN 12150-2:2004

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

This declaration was first issued on 24.04.2023 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: 24.04.2023



YAPRAK ÖZYALÇIN
Chair of Board of Directors
NEWMOS GLASS TRADING LTD.
NEWMOS GLASS
TRD. LTD.
MŞ: 7625



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.
acc. to ČSN EN ISO/IEC 17025:2018*

TEST REPORT

No. : 30 / 2023

Test item :

Thermally toughened safety glass

- type tests according to ČSN EN 12150-2:

- fragmentation test acc. to ČSN EN 12150-1+A1

- bending strength test acc. to ČSN EN 1288-3

Client (address):

NEWMOS Glass Trading Ltd

No:9 Ozgurluk Caddesi, Organize Sanayi Bolgesi Haspolat
Lekosa, CYPRUS

Producer (address):

NEWMOS Glass Trading Ltd

No:9 Ozgurluk Caddesi, Organize Sanayi Bolgesi Haspolat
Lekosa, CYPRUS

Place of test performance : IKATES, s.r.o., Teplice, Czech Republic

Date of sample receiving : 2023-02-09 and 2023-04-13

Date of test performance : 2023-02-14 to 2023-04-18

Date of issue : 2023-04-19

Number of pages : 3

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 can be the report reproduced whole only.

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Normative documents :

ČSN EN 1288-3 (2001): Glass in building – Determination of bending strength of glass -
Part 3 : Test with specimen supported on two points (four points bending)

ČSN EN 12150 Glass in building – Thermally toughened soda lime silicate safety glass –
Part 1+A1 (2020): Definition and description
Part 2 (2005): Evaluation of conformity/Product standard

Sampling :

Following test specimens of thermally toughened (tempered) safety glass manufactured using of horizontal process from float glass were used to testing:

thermally toughened safety glass 4 mm	8 pcs 360x1100 mm
thermally toughened safety glass 5 mm	8 pcs 360x1100 mm
thermally toughened safety glass 6 mm	8 pcs 360x1100 mm
thermally toughened safety glass 8 mm	8 pcs 360x1100 mm
thermally toughened safety glass 10 mm	8 pcs 360x1100 mm

Metrological provision of tests :

Calibrated measuring gauges were used for testing. The bending strength test was carried out using of universal machine ZHL 30 with metrological traceability to Czech Metrology Institute.

Test results :

1. Fragmentation test (according to ČSN EN 12150-1+A1 art. 8)

Test specimen No. / Nominal thickness	particles count (pcs.) / the longest particle (mm)				
	1	2	3	4	5
4 mm	75 / 30	67 / 31	65 / 35	62 / 34	43 / 33
5 mm	71 / 29	57 / 23	80 / 27	55 / 26	60 / 24
6 mm	88 / 15	96 / 16	94 / 22	74 / 21	88 / 20
8 mm	49 / 21	56 / 23	48 / 29	42 / 27	41 / 26
10 mm	63 / 25	62 / 21	56 / 21	66 / 23	58 / 22



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2. Bending strength test (according to ČSN EN 1288-3/ČSN EN 12150-2)

Note: E = edge; S = surface; ↑ in compression zone; ↓ in tension zone

Specimen / bow position	Average thickness (mm)	Width (mm)	Max. load (N)	Time (s), point of breakage	Bending strength (MPa)
clear thermally toughened safety glass					
1↑	3,81	360	829	100,7 S	195,2
2↓	3,82	360	696	83,3 E	164,0
3↑	3,80	360	694	84,6 S	164,8
4↓	4,82	360	1280	79,3 E	187,9
5↑	4,84	360	1201	75,3 S	174,8
6↓	4,85	360	1342	84,6 E	193,8
7↑	5,84	360	1485	66,7 E	148,3
8↓	5,86	360	1813	82,2 E	179,4
9↑	5,84	360	1660	76,3 E	165,7
10↓	7,79	360	3209	82,4 E	178,6
11↑	7,79	360	3071	74,7 S	170,9
12↓	7,80	360	3129	78,9 E	173,9
13↑	9,88	360	4546	73,9 S	157,1
14↓	9,88	360	6302	108,1 E	217,0
15↑	9,89	360	5069	79,5 S	174,8

Expert viewpoint:

The results of fragmentation test and bending strength test comply with requirements of the standard EN 12150-1+A1.

Statement : Test results, given in this report, apply only to the tested items as received. Test report does not replace other documents, e.g. administrative characters, issued from other bodies, according to particular regulations. The official version is in the 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 approved and for correctness of the report is responsible :

_____ end of the test report

Jiří Stránský

