

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



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Notified testing laboratory No. 1394

Testing laboratory No.1139 accredited by Czech Accreditation Institute
acc. to ČSN EN ISO/IEC 17025 for glass and selected building products testing

TEST REPORT

No. : 22 / 2018

Test item : **Laminated safety glass Simglass
- bullet resistance test EN 1063 - class BR6 NS**

Client (address): **SİM CAM SAN. VE DIŞ. TİC. A.Ş.
Sanayii Yolu Cad.No.27, Kurtköy/Pendik/İSTANBUL, Turkey**

Producer (address): **SİM CAM SAN. VE DIŞ. TİC. A.Ş.
Sanayii Yolu Cad.No.27, Kurtköy/Pendik/İSTANBUL, Turkey**

Place of test performance : **IKATES, s.r.o., shooting range Military**

Date of sample receiving : **2018-02-01**

Date of test performance : **2018-02-09**

Date of issue : **2018-02-12**

Number of pages : **4**

Page No. :

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, the report can be reproduced only whole.



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Normative foundations :

ČSN EN 1063 (2000): Glass in building - building - Security glazing – Testing and classification of resistance against bullet attack

Sampling :

Following test specimens with dimensions 500x500 mm were supplied to the bullet-resistance test :

Notes:

- composition is given from external (attacked) to internal surface
- total measured thickness 54,09 – 54,31 mm

Metrological provision of tests :

Calibrated measuring gauges were used to the testing. Bullet velocity was measured by the calibrated optical gates BMC-17.

Test was carried out using of rifle 7,62x51 mm. Used ammunition: Sellier&Bellot 7,62x51 mm FJ/PB/SC, bullet mass 9,55 g, test range 10 m, reference velocity 830 ± 10 m/s.

Test results :

Bullet resistance (ČSN EN 1063) Class : BR6 NS

specimen No.	shot No.	bullet velocity (m/s)	state after shot
1	1	821,0	no penetration, no splinters
	2	823,7	no penetration, no splinters
	3	827,8	no penetration, no splinters
2	1	831,9	no penetration, no splinters
	2	826,4	no penetration, no splinters
	3	822,3	no penetration, no splinters
3	1	836,1	no penetration, no splinters
	2	838,9	no penetration, no splinters
	3	829,1	no penetration, no splinters

Classification: EN 1063 BR6-NS

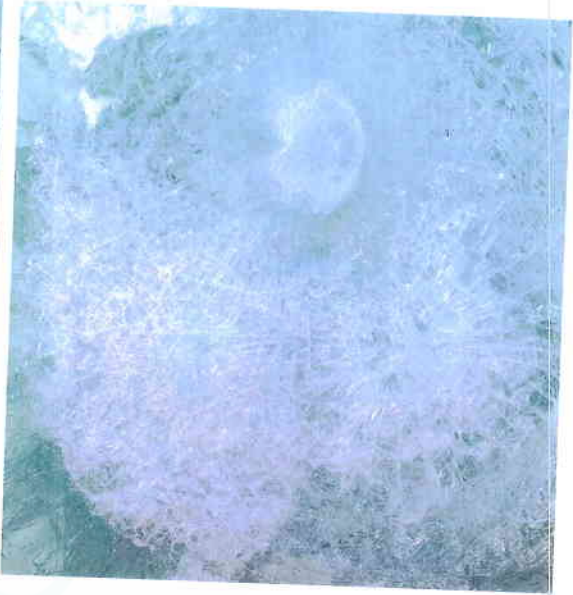


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sample No.1
attack face



protected face



sample No.2
attack face



protected face



AKREDITOVANÝ ÚSTŘEDNÍ LABORÁTOR
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specimen No.3
attack face

protected face



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

Distribution list :

2 x SIM CAM SAN. VE DIŞ. TİC. A.Ş.

1 x IKATES, s.r.o. (archive)

Tests were performed by :

Jiří Stránský, Michal Hnilička

Report was prepared by :

For correctness and validity of report is responsible :
end of the test report

Michal Hnilička

