

TEST REPORT

2025CO4377

DATE OF RECEPTION

Date Format: dd/MM/yyyy 22/04/2025

DATE TESTS

Starting: 28/04/2025

Ending: 29/04/2025

APPLICANT

FRONT 42

Helgi tee 2, Peetri

EE-75312 Harju maakond

Estonia

Att.

IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2025CO2062-S01	PLATE Bitossi 58+1 VAC	Plate

TESTS CARRIED OUT

- BALLISTIC RESISTANCE TEST.

Tests marked with * are not included within the scope of the ENAC accreditation.





DESCRIPTION OF SAMPLES



Reference by AITEX: 2025CO2062-S01

Reference by customer:

PLATE Bitossi 58+1 VAC

Information supplied by the customer

B-4,35/3 (opr 81/25)



RESULTS

BALLISTIC RESISTANCE TEST

Standard

Perforation and Backface Signature Test (P-BFS) according to point 7.8 from NIJ 0101.06

Standard deviation

The complete test for classification is not carried out. On request of the client, one hard plate is tested without pretreatments (dry test) with the ammunition 5.56 x 45 mm ss109 at 950 m/s. All the BFS are recorded.

Classification level

Equipment

Shooting range
Thermohygrometer
Gauge
Radar
Optical barriers
Shooting rig
Scale
Stopwatch
Holder mount

Reference

2025CO2062-S01

Sample description

Hard plate 250 x 300 mm without covering which is 21.8 mm thick. The weight of the sample is:

Panel	Weight
Bitossi 58+1 VAC	2282 g

Sample conditioned

24 h according to point 5.2.1. standard NIJ 0101.06: (25±10)°C and relative humidity of 20 % to 50 %

Pretreatment

Handload velocity test

OK

Test date

28/04/2025 - 29/04/2025

Velocity measurement

The velocity measurement is made using optical barriers and radar. In the tables of results it is shown the speed at the impact point.

Test shot distance

15 m

Strapping arrangement

According to the standard

Requirements

There should be no perforation of the sample and the traumas must not be higher than 44 mm.

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Results by panel

Caliber 1

Bitossi 58+1 VAC

5.56 x 45mm SS109 4.0 g at velocity (950±10) m/s

Test conditions

20,4°C / 59,5% R.H

Roma #1 Plastiline Calibration

AVERAGE: 19,5 mm before the test 38 °C

AVERAGE: 17,6 mm after the test 36 °C

POSITION	ANGLE	VELOCITY	FAIR HIT (Yes/No)	PERFORATIO N	TRAUMA (mm)
1	0°	951,0	YES	NO	16,9
2	0°	948,3	YES	NO	11,1
3	0°	954,2	YES	NO	17,5
4	0°	966,5	YES	NO	20,3
5	0°	951,1	YES	NO	19,2
6	0°	955,4	YES	NO	18,3

Test uncertainty

± 1.0 m/s in the velocity measurement and ± 0.3 mm in the trauma measurement

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Reference by AITEX	Description	Reference by customer
2025CO2062-S01	Plate	PLATE Bitossi 58+1 VAC



Begoña Picó
Head of Public Tenders Division



Date: 05/08/2025 13:41:03

Digitally Signed by: BEGOÑA PICO MONLLOR -

NIF: 21647435L

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