

## 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

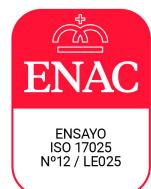
Reference by AITEX	Reference by customer	AITEX sample description
2025CO2062-S01	PLATE Bitossi 58+1 VAC	Plate

### TESTS CARRIED OUT

- BALLISTIC RESISTANCE TEST.

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



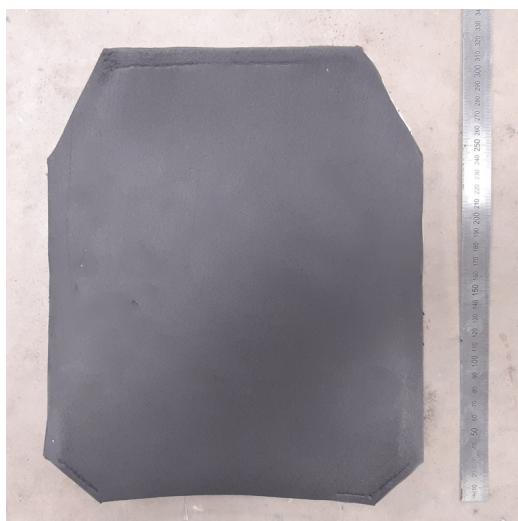
**DESCRIPTION OF SAMPLES****Reference by AITEX:** 2025CO2062-S01**Reference by customer:**

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

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#### 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

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#### 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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