

## TEST REPORT

2025CO4378

### 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

### IDENTIFICATION AND DESCRIPTION OF SAMPLES

| Reference by AITEX | Reference by customer | AITEX sample description |
|--------------------|-----------------------|--------------------------|
| 2025CO2063-S01     | PLATE Bitossi 41 VAC  | Plate                    |

### TESTS CARRIED OUT

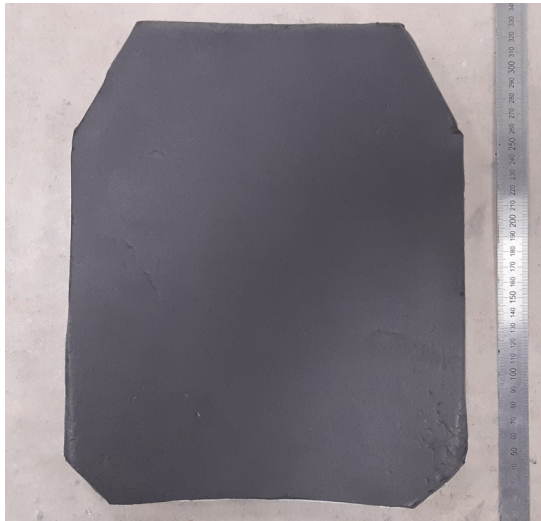
- BALLISTIC RESISTANCE TEST.

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





## DESCRIPTION OF SAMPLES



**Reference by AITEX:** 2025CO2063-S01

**Reference by customer:**

PLATE Bitossi 41 VAC

**Information supplied by the customer**

B-9,00/1 (opr 81/25)

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## 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 corresponding to level IV.

**Classification level**

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**Equipment**

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

**Reference**

2025CO2063-S01

**Sample description**

Hard plate 300 x 250 mm without covering which is 23.4 mm thick. The weight of the tested sample is:

| Panel          | Weight |
|----------------|--------|
| Bitossi 41 VAC | 3208 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**

15m

**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 41 VAC

30.06 AP M2 166gr at velocity (878±9.1) m/s

**Test conditions**

20.3C / 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<br>(Yes/No) | PERFORATIO<br>N | TRAUMA (mm) |
|----------|-------|----------|----------------------|-----------------|-------------|
| 1        | 0°    | 878,1    | YES                  | NO              | 29.3        |

**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 |
|--------------------|-------------|-----------------------|
| 2025CO2063-S01     | Plate       | PLATE Bitossi 41 VAC  |



**Begoña Picó**  
Head of Public Tenders Division



Date: 05/08/2025 13:41:09

Digitally Signed by: BEGOÑA PICO MONLLOR -

NIF: 21647435L

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