

**BULLET-RESISTANT PANELS
AND ELEMENTS
AS/NZS 2343:1997**

CLIENT DETAILS

Khin Soe
UBIQ Technology Pty Ltd
2/362 Clovelly Road
Clovelly, NSW 2031
Australia

Date Received Nov-22
Sample Designation Composite Panel
Test Instruction Supplied by client
Purchase Order Email: Khin Soe - 10 Nov 22

Test ID 7426-22
Report ID 7426.3-22
Test Date 11-Jan-23
Report Date 13-Jan-23

SAMPLE DETAILS

Sample ID 7426-22
Manufacturer UBIQ
Model 25-25
Batch No. Not Supplied
Size (mm) 420x420mm
Material Type Composite

BALLISTIC THREAT

Protection Level Class R1
Calibre 5.56x45mm
Projectile Type FMJ M193
Projectile Weight (gr) 55 (nominal)
Production Factory ADI
Cannister Markings LOT 003
Head Stamp Details Not Applicable
Barrel Serial No. 195186
Barrel Length 24 Inch
Obliquity Zero Degrees
Required Velocity (m/s) 980 ± 15

RANGE CONFIGURATION

Range ID Range 1
Muzzle to Target 15 metres
Midpoint to Target 2.0 metres
No. of Screens 3
Screen Spacing 0.76 metres

TEST CONDITIONS

Ambient Temp (°C) 21.0
Relative Humidity (%) 54.2
Sample Conditioning Ambient

EQUIPMENT

Chronograph Sabre IRIS
Detector Screen Skyscreen 408
Balance A+D GP-32K
Temp/RH indicator Fluke 971
Thermometer Fluke 541I
Vernier Mitutoyo CD-8

WITNESS MATERIAL SPECIFICATIONS

Material Type 110 GSM Paper
Standoff 450mm

TABLE OF RESULTS

Sample Information		Shot No.	Velocity Chrono 1 (m/s)	Velocity Chrono 2 (m/s)	Velocity Average (m/s)	Notes	Panel Pen.	Spall	Witness Card Penetration	Pass/Fail
Sample ID	7426-22-1	1	980	977	979		No	Nil	No	Pass
Serial No.	No.1	2	982	980	981		No	Nil	No	Pass
Thickness (mm)	77mm Nominal	3	977	976	977		No	Nil	No	Pass
Sample ID	7426-22-2	1	978	976	977		No	Nil	No	Pass
Serial No.	No.2	2	979	976	978		No	Nil	No	Pass
Thickness (mm)	77mm Nominal	3	986	982	984		No	Nil	No	Pass
Sample ID	7426-22-3	1	979	976	978		No	Nil	No	Pass
Serial No.	No.3	2	976	974	975		No	Nil	No	Pass
Thickness (mm)	77mm Nominal	3	981	979	980		No	Nil	No	Pass

COMMENTS:

1. Tested to the requirements of AS/NZS 2343:1997 Appendix B for information only.

Test Personnel Ben Kelaart
Jack McBrearty
Reporting Hai Son Bui
Witness Nil

Model Compliance
Passed: **Yes**


B. Eu
(Approved Signatory)

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SAMPLE DETAILS

Sample ID 7426-22
Manufacturer UBIQ
Model 25-25
Batch No. Not Supplied
Size (mm) 420x420mm
Material Type Composite

BALLISTIC THREAT

Protection Level Class S1
Calibre 12 Gauge 70mm
Projectile Type Single Slug
Projectile Weight (gr) 1 oz
Production Factory Winchester
Cannister Markings C3SJ29
Head Stamp Details Not Applicable
Barrel Serial No. V0408-3
Barrel Length 26 Inch
Obliquity Zero Degrees
Required Velocity (m/s) 450 ± 20

RANGE CONFIGURATION

Range ID Range 1
Muzzle to Target 15 metres
Midpoint to Target 2.0 metres
No. of Screens 3
Screen Spacing 0.76 metres

TEST CONDITIONS

Ambient Temp (°C) 21.1
Relative Humidity (%) 54.8
Sample Conditioning Ambient

EQUIPMENT

Chronograph Sabre IRIS
Detector Screen Skyscreen 408
Balance A+D GP-32K
Temp/RH indicator Fluke 971
Thermometer Fluke 541I
Vernier Mitutoyo CD-8

WITNESS MATERIAL SPECIFICATIONS

Material Type 110 GSM Paper
Standoff 450mm

TABLE OF RESULTS

Sample Information		Shot No.	Velocity Chrono 1 (m/s)	Velocity Chrono 2 (m/s)	Velocity Average (m/s)	Notes	Panel Pen.	Spall	Witness Card Penetration	Pass/Fail
Sample ID Serial No. Thickness (mm)	7426-22-4 No.1 77mm Nominal	1	464	460	462		No	Nil	No	Pass
		2	472	468	470		No	Nil	No	Pass
Sample ID Serial No. Thickness (mm)	7426-22-5 No.2 77mm Nominal	1	464	461	463		No	Nil	No	Pass
		2	461	458	460		No	Nil	No	Pass
Sample ID Serial No. Thickness (mm)	7426-22-6 No.3 77mm Nominal	1	460	456	458		No	Nil	No	Pass
		2	466	462	464		No	Nil	No	Pass

COMMENTS:

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