

Ballistic Test Report

The Client: Marom Dolphin LTD.
Description: Ballistic Ceramic Plate
 SIC + UHMWPE +10mm Foam r-400 Plate
 0.0741sq.m

Date: 20.10.2023

Report No.: 13826

Panel Details:

Weight (kg.): 1.655 **Areal weight (kg./m²):** 22.34
 (lbs.) 3.65 (lbs./sq.ft.): 4.58
Thickness (mm): 19.6 **Dimintions: (mm):** 300 x 255 - (60x40 + 15x15)
 (inches): 0.77

Dry sample () \ Wet sample ()**Lab. Set-up****Test Std.:** IDF Level: V 3 **Vel.** 835-855 m/s

(*) Range between center of measurement to the target 3.8m

STAND ALONE**Remarks:**

140mm CLAY BACKING.

Clay Decline: Av. 19.2 mm

(*) Temperature : 23 °C / 73 °F

(*) Rel. Humidity : 56 (%)

Test Results

Shot No.:	Test Bullet	Bullet		Distance (feet) (meters)	Angle NATO	Velocity (ft/sec) (m/sec)	Penetrated/ Stopped	Edge BFS (mm)
		Description	Weight (grains) (grams)					
1	7.62X51 FMJ M80	I.M.I.	146 9.5	32.81 10	0	2801 853.7	Stopped	25
2	7.62X51 FMJ M80	I.M.I.	146 9.5	32.81 10	0	2797 852.5	Stopped	32
3	7.62X51 FMJ M80	I.M.I.	146 9.5	32.81 10	30	2788 849.8	Stopped	34
4	7.62X51 FMJ M80	I.M.I.	146 9.5	32.81 10	0	2770 844.3	Stopped	38.0 42
5	7.62X51 FMJ M80	I.M.I.	146 9.5	32.81 10	0	2774 845.5	Stopped	38x36 44
6	7.62X51 FMJ M80	I.M.I.	146 9.5	32.81 10	30	2770 844.3	Stopped	43.0 41

Remarks:**Between shots:**1-2 77mm 2-3 66mm 3-1 67mmThe tested sample complies () \ doesn't comply () to the requirements.

Tested by: YUVAL FUCHS



Ballistic Test Report

The Client: Marom Dolphin LTD.
Description: Ballistic Ceramic Plate
 SIC + UHMWPE r-400 Plate
 0.0741sq.m

Date: 20.10.2023
 Report No.: 13827

Panel Details:

Weight (kg.): 1.655 **Areal weight (kg./m²):** 22.34
 (lbs.) 3.65 (lbs./sq.ft.): 4.58
Thickness (mm): 19.55 **Dimensions (mm):** 300 x 255 - (60x40 + 15x15)
 (inches): 0.77
 Dry sample () \ Wet sample ()

Lab. Set-up

(*) Range between center of measurement to
 the target 3.8m

(*) Temperature : 23 °C / 73 °F

(*) Rel. Humidity : 56 (%)

Test Std.: IDF Level: V 3.5 **Vel.** 940-960 m/s

STAND ALONE**Remarks:**

140mm CLAY BACKING.

Clay Decline: Av. 19.2 mm

Test Results

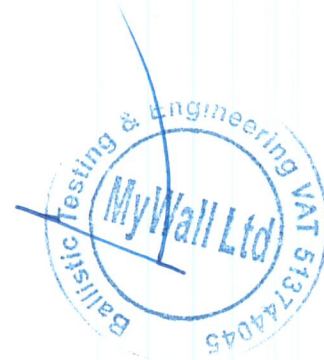
Shot No.:	Test Bullet	Bullet		Distance (feet) (meters)	Angle NATO	Velocity (ft/sec) (m/sec)	Penetrated/ Stopped	Edge BFS (mm)
		Description	Weight (grains) (grams)					
1	5.56X45 M855 SS109	I.M.I.	62 4.0	32.81 10	0	3129 953.7	Stopped	30
2	5.56X45 M855 SS109	I.M.I.	62 4.0	32.81 10	0	3132 954.6	Stopped	34
3	5.56X45 M855 SS109	I.M.I.	62 4.0	32.81 10	30	3103 945.8	Stopped	30
4	5.56X45 M855 SS109	I.M.I.	62 4.0	32.81 10	0	3160 963.2	Stopped	40.0 34
5	5.56X45 M855 SS109	I.M.I.	62 4.0	32.81 10	0	3122 951.6	Stopped	45X39 28
6	5.56X45 M855 SS109	I.M.I.	62 4.0	32.81 10	30	3133 954.9	Stopped	45X42 33

Remarks:

Between shots: 1-2 67mm 2-3 67mm 3-1 71mm

The tested sample complies () \ doesn't comply () to the requirements.

Tested by: YUVAL FUCHS



Ballistic Test Report

The Client: Marom Dolphin LTD.
Description: Ballistic Ceramic Plate
 SIC + UHMWPE r-400 Plate
 0.0741sq.m

Date: 20.10.2023
 Report No.: 13828

Panel Details:

Weight (kg.): 1.64 **Areal weight (kg./m²):** 22.14
 (lbs.) 3.62 (lbs./sq.ft.): 4.53
Thickness (mm): 19.3 **Dimensions: (mm):** 300 x 255 - (60x40 + 15x15)
 (inches): 0.76
 Dry sample () \ Wet sample ()

Lab. Set-up

(*) Range between center of measurement to the target 3.8m

(*) Temperature : 23 °C / 73 °F

(*) Rel. Humidity : 56 (%)

Test Std.: IDF Level: V 3.5 **Vel.** 720-740 m/s

STAND ALONE**Remarks:**

140mm CLAY BACKING.

Clay Decline: Av. 19.2 mm

Test Results

Shot No.:	Test Bullet	Bullet		Distance (feet) (meters)	Angle NATO	Velocity (ft/sec) (m/sec)	Penetrated/ Stopped	Edge BFS (mm)
		Description	Weight (grains) (grams)					
1	7.62X39 MSC M43	Russia 270G	123 8.0	32.81 10	0	2413 735.5	Stopped	24
2	7.62X39 MSC M43	Russia 270G	123 8.0	32.81 10	0	2400 731.5	Stopped	34
3	7.62X39 MSC M43	Russia 270G	123 8.0	32.81 10	30	2416 736.4	Stopped	31
4	7.62X39 MSC M43	Russia 270G	123 8.0	32.81 10	0	2401 731.8	Stopped	43X43 44
5	7.62X39 MSC M43	Russia 270G	123 8.0	32.81 10	0	2400 731.5	Stopped	43X40 42
6	7.62X39 MSC M43	Russia 270G	123 8.0	32.81 10	30	2414 735.8	Stopped	39.0 38

Remarks:

Between shots: 1-2 74mm 2-3 69mm 3-1 63mm

The tested sample complies () \ doesn't comply () to the requirements.

Tested by: YUVAL FUCHS

