



**BRETHOLZ
SOLUTIONS**
YOUR RELIABLE PARTNER

IWI PRESENTING: GAL® VPS/PPS

The Revolutionary Lightweight Riot Control Suit



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Pictures are for illustrative purposes only.



ABOUT US | SK GROUP

WITH 90 YEARS OF HISTORY

Privately held technology and innovation holding company, specializing in global frontline defense, and para-military solutions, marine infrastructures and real-estate development

**BRETHOLZ
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OUR GROUP'S MEMBERS



ISRAEL WEAPON
INDUSTRIES

IWI US

PLR

MEPROLIGHT

MEPROLIGHT
USA

CAMERO-TECH

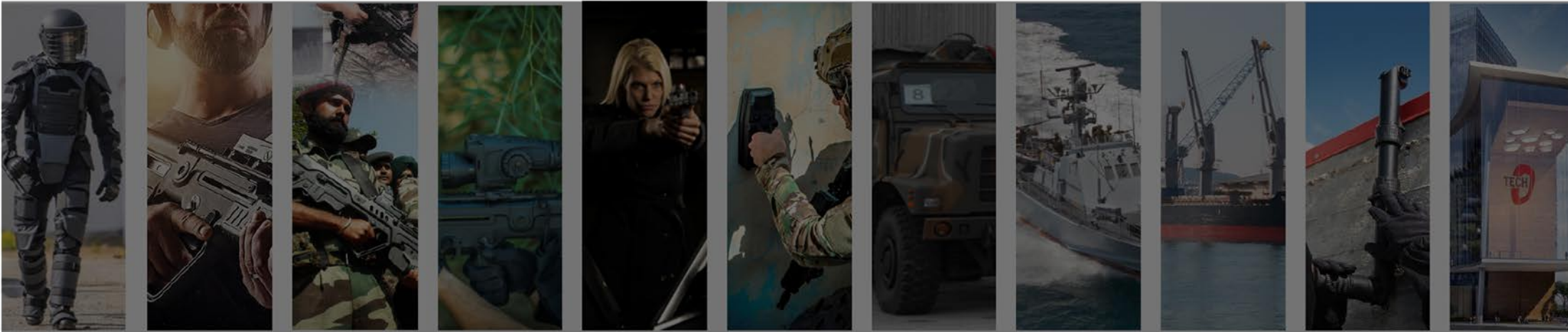
ELVO

ISRAEL SHIPYARDS

ISRAEL SHIPYARDS
PORT

UNI-SCOPE

OSHIRA



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GAL[®] VPS/PPS VS COMPETITORS

GAL VPS/PPS



GAL[®] INNOVATIVE APPROACH

Past conception:

More cover area + rigid components = better safety



Restricted mobility

Low resistance to high trauma

Not wearing protective gear due its - Uncomfortable

Police chief association releases number of officers injured during violent riots

More than 2,000 law enforcement officers were injured during protests, the report said



By Louis Casiano · Fox News

Published December 1, 2020 8:42pm EST

Risk to operator safety

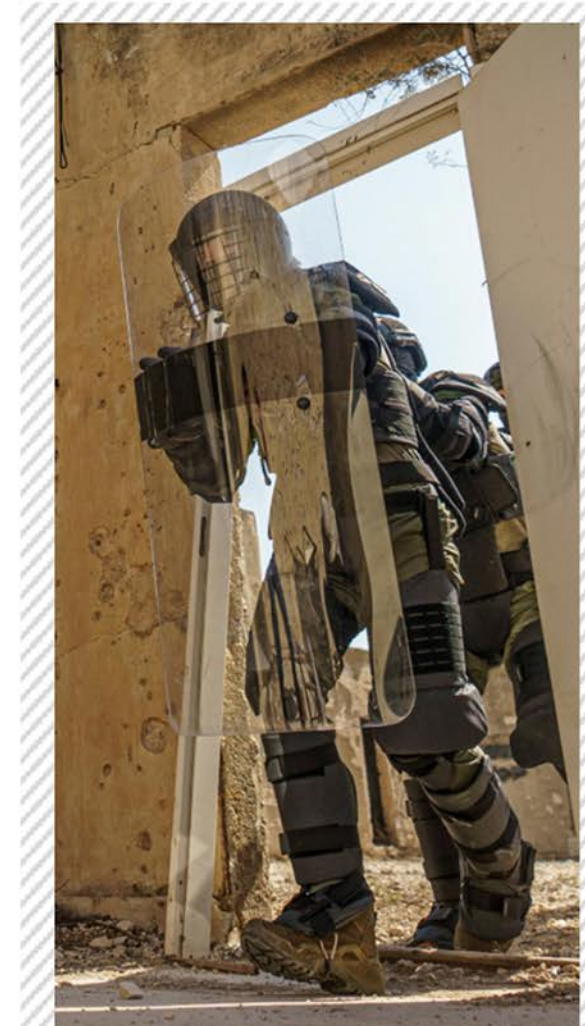


IWI approach.

Dynamic protection + flexible system = better safety



High Agility to operate
high resistance to trauma
Protecting the life of the operator



GAL[®] VPS/PPS FLEXIBLE WAVE SYSTEM LAB TEST

Rigid protection system declare protective up to 100-120J/cm²



Lab test*, we applied 1000J/cm² on both systems



The GAL[®] system performed dramatic reduction in energy delivered level to the body

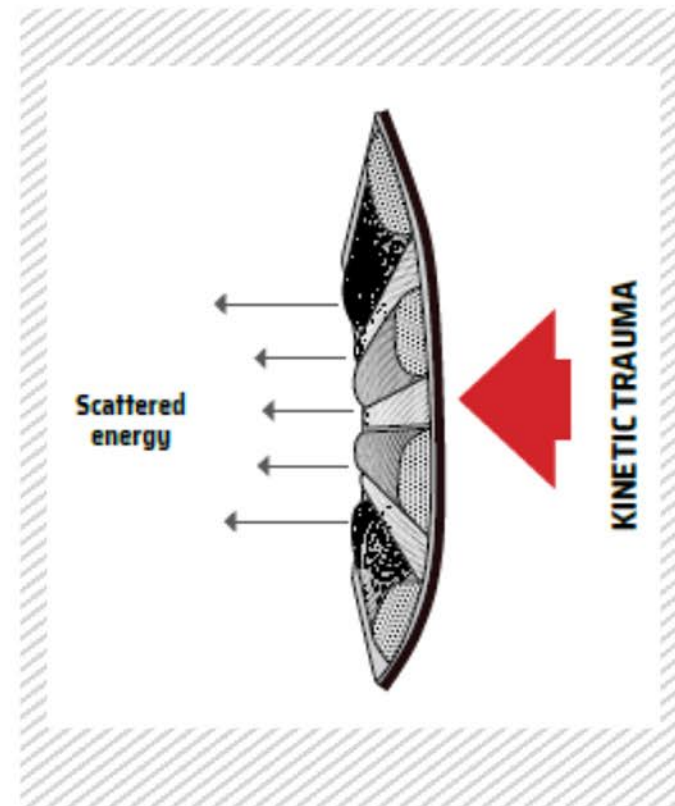
The GAL[®] system didn't damage compared to rigid



GAL[®] VPS/PPS- THE WAVE SOLUTION

The GAL[®] PPS/VPS system design incorporates a flexible geometric structure of waves that absorb and redirect kinetic energy protecting the body from physical injury.

flexible geometric structure enables them to maintain their agility and full freedom of movement

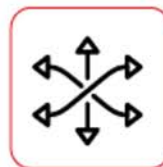


GAL® VPS/PPS IWI MAIN ADVANTAGES



Flexible-

- Enhance Agility in tactical use
- Unisex
- Reduce up to 90% of the Trauma
- Maximum ventilation in heat conditions



Versatile-

ability to scale up from trauma to bullet proof/anti stabbing protection

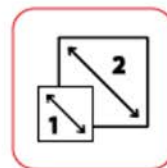


Certificate- VPAM KDIW 2004
W2 & W3 certification



Easy maintenance-

Washable, disinfected and cleanliness



Sizes- Designed for optimization logistic
Size 1: XS – XL
Size 2: 2XL - 4 XL



lightweight-

less then 6Kg (W2 level)
Easy Long-term work ability

**BRETHOLZ
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GAL[®] VPS/PPS- PARTS

GAL VPS/PPS



VPS-RCH4
Riot control helmet



VPS-DE443
MICH mid cut



EN388
Anti Slash Gloves



VPS-LLB



VPS-UAP4

Anti trauma upper arm & shoulder protection



VPS-LAP4

Anti trauma lower arm protection



VPS-PC4

Anti trauma vest



VPS-ULP4

Anti trauma upper leg & groin protection



VPS-LLP4

Anti trauma lower leg protection



GAL[®] VPS/PPS – FULL LEVEL OF OPERATION

01
Ballistic
Protection



02
Riot
Protection



GAL VPS/PPS

Technical data is subject to modifications

confidential

GAL[®] VPS/PPS – PYSYCAL CHARACTERISTICS

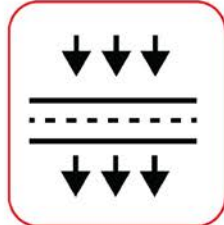
GAL VPS/PPS

WATER REPELLENT



TS-259 EN24920

TENSIL STRENGTH



EN ISO 13934-1

COLOR RESISTANCE



EN ISO 105 E04
EN ISO 105 C06
EN ISO 105 D02
EN ISO 105 B02

SUNPROOF



TS-259 EN-24920

WATERPROOF



TS 257 EN20811

ABRATION



EN ISO 12947-2

FLAME RETARDANT



EN 6941

WASHING 30 °C



EN ISO 105 C06

VPAM KDIW 2004

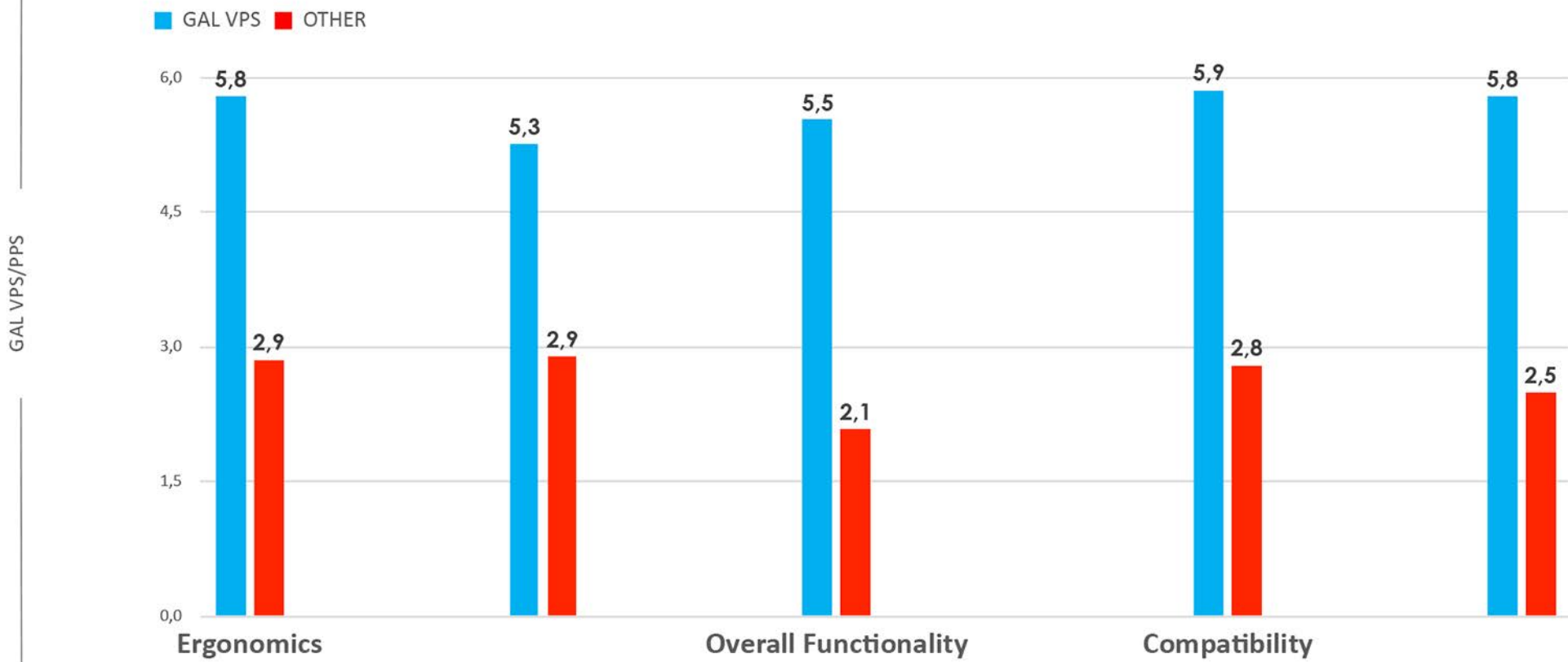


level 2 / 3



Level 2 – 5.8kg
Level 3 – 7.2kg

**GAL® VPS/PPS - End Users operational
experiment Questionnaire**



Based on Anonymous questionnaire from an operational experiment : Home Front Command, IDF, 28/06/2022

GAL[®] VPS/PPS COMPLEMENTARY EQUIPMENT DEFENSIVE



Reinforced Polycarbonate
Riot Control shield



EN388: 2016 Level 5
Anti Slash Gloves



GA 294-2012
Riot Control Helmet



Police Duty Belt



EN 136:1998
Gas Mask



Rechargeable
tactical flashlight



T-baton

GAL VPS/PPS

GAL[®] VPS/PPS COMPLEMENTARY EQUIPMENT OFFENSIVE

GAL VPS/PPS



Telescopic Stock

38-40 mm single-barreled for Riot Control



Foldable Stock



Manual

38-40 mm 6-barreled for Riot Control



Pump Action



Flash Bang Hand Grenade



CS Smoke Hand Grenade



38-40 tear gas (CS) 1 capsule



38-40 tear gas (CS) 3 capsule



Personal paper spay



GAL® VPS/PPS -VPAM KDIW 2004 Certification
Beschussamt labs-Germany

GAL VPS/PPS

 BESCHUSSAMT MELLRICHSTADT	Prüfzeugnis Test Certificate 223229402
	Inhaber des Dokumentes: Holder of the document: IDS BRCSH 103000 SOE NAHIM 127 Israel
	Prüfung der Schlagschutz-Eigenschaften von Körperschutzvorrichtungen nach: Test of the blow resistance of body armour according to: VPAM Stich- und Schlagschutz (KDIW) 2004,18.05.2011
	Hersteller: Manufacturer: IDS
	Auftraggeber: Applicant: IDS
	Prüfgegenstand: Sample: Schutzwesteinerschub (Weichschutz) Vest for body armour (soft armour)
	Probebezeichnung: Designation: Sample 1 - GAL RIOT CONTROL PPS & VPS protective suit
	Prüfdatum: Test date: 13. September 2022
	Datenergebnisse siehe: Prüfbericht Nr. / Detailed results see test report No. 225329402
	Die vorgelegte Probe erfüllte die Anforderungen nach: The submitted sample met the requirements according to: VPAM KDIW 2004 W3

Das Prüfzeugnis bescheinigt sich ausschließlich auf die im angelegten Prüfbericht beschriebenen Prüfgegenstände. Dieses Dokument ist nur mit dem Inhalt und den Angaben darin, Original oder Kopie, gültig. Original nur mit Prüfung im Besessenen.
 The test results relate only to the test samples described in the accompanying test report. The document is only valid with signature and official seal. Only the original document has an evidential value of force.

Beschussamt Mellrichstadt, 29. September 2022

 Bösch

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 Telefon +49 9178 7050-0 - Telefax +49 9178 7047 - www.beschussamt.mellrichstadt.de - Germany

 BESCHUSSAMT MELLRICHSTADT	Prüfzeugnis Test Certificate 223229602
	Inhaber des Dokumentes: Holder of the document: IDS BRCSH 103000 SOE NAHIM 127 Israel
	Prüfung der Schlagschutz-Eigenschaften von Körperschutzvorrichtungen nach: Test of the blow resistance of body armour according to: VPAM Stich- und Schlagschutz (KDIW) 2004,18.05.2011
	Hersteller: Manufacturer: IDS
	Auftraggeber: Applicant: IDS
	Prüfgegenstand: Sample: Schutzwesteinerschub (Weichschutz) Vest for body armour (soft armour)
	Probebezeichnung: Designation: Sample 2 - GAL RIOT CONTROL PPS & VPS protective suit
	Prüfdatum: Test date: 13. September 2022
	Datenergebnisse siehe: Prüfbericht Nr. / Detailed results see test report No. 225329602
	Die vorgelegte Probe erfüllte die Anforderungen nach: The submitted sample met the requirements according to: VPAM KDIW 2004 W3

Das Prüfzeugnis bescheinigt sich ausschließlich auf die im angelegten Prüfbericht beschriebenen Prüfgegenstände. Dieses Dokument ist nur mit dem Inhalt und den Angaben darin, Original oder Kopie, gültig. Original nur mit Prüfung im Besessenen.
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 BESCHUSSAMT MELLRICHSTADT	Prüfzeugnis Test Certificate 223229C02
	Inhaber des Dokumentes: Holder of the document: IDS BRCSH 103000 SOE NAHIM 127 Israel
	Prüfung der Schlagschutz-Eigenschaften von Körperschutzvorrichtungen nach: Test of the blow resistance of body armour according to: VPAM Stich- und Schlagschutz (KDIW) 2004,18.05.2011
	Hersteller: Manufacturer: IDS
	Auftraggeber: Applicant: IDS
	Prüfgegenstand: Sample: Schutzwesteinerschub (Weichschutz) Vest for body armour (soft armour)
	Probebezeichnung: Designation: Sample 3 - GAL RIOT CONTROL PPS & VPS protective suit
	Prüfdatum: Test date: 13. September 2022
	Datenergebnisse siehe: Prüfbericht Nr. / Detailed results see test report No. 225329C02
	Die vorgelegte Probe erfüllte die Anforderungen nach: The submitted sample met the requirements according to: VPAM KDIW 2004 W3

Das Prüfzeugnis bescheinigt sich ausschließlich auf die im angelegten Prüfbericht beschriebenen Prüfgegenstände. Dieses Dokument ist nur mit dem Inhalt und den Angaben darin, Original oder Kopie, gültig. Original nur mit Prüfung im Besessenen.
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Beschussamt Mellrichstadt, 29. September 2022

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 BESCHUSSAMT MELLRICHSTADT	Prüfzeugnis Test Certificate 223229D02
	Inhaber des Dokumentes: Holder of the document: IDS BRCSH 103000 SOE NAHIM 127 Israel
	Prüfung der Schlagschutz-Eigenschaften von Körperschutzvorrichtungen nach: Test of the blow resistance of body armour according to: VPAM Stich- und Schlagschutz (KDIW) 2004,18.05.2011
	Hersteller: Manufacturer: IDS
	Auftraggeber: Applicant: IDS
	Prüfgegenstand: Sample: Schutzwesteinerschub (Weichschutz) Vest for body armour (soft armour)
	Probebezeichnung: Designation: Sample 4 - GAL RIOT CONTROL PPS & VPS protective suit
	Prüfdatum: Test date: 13. September 2022
	Datenergebnisse siehe: Prüfbericht Nr. / Detailed results see test report No. 225329D02
	Die vorgelegte Probe erfüllte die Anforderungen nach: The submitted sample met the requirements according to: VPAM KDIW 2004 W3

Das Prüfzeugnis bescheinigt sich ausschließlich auf die im angelegten Prüfbericht beschriebenen Prüfgegenstände. Dieses Dokument ist nur mit dem Inhalt und den Angaben darin, Original oder Kopie, gültig. Original nur mit Prüfung im Besessenen.
 The test results relate only to the test samples described in the accompanying test report. The document is only valid with signature and official seal. Only the original document has an evidential value of force.

Beschussamt Mellrichstadt, 29. September 2022

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GAL® KDIW 2004 CERTIFICATION
TNO labs - Netherland

GAL VPS/PPS

TNO innovation for life

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Laboratory for Ballistics
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2496 ZA The Hague

Return address: Postbus 41220 AA Rijswijk

Test report

21REP0274

Experiment according to **VPAM KDIW 2004**
Class **W4 (CubioWürfel)**

Assigner: INITIATIVE DEFENSE SOLUTIONS LTD
Kibbutz
1080000 SDE NACHUM
Israel

Contact: Mr. Dakar Eilat
E-mail: helma.spruit@tno.nl
Direct phone no: +31 8855 61329

Sample references: Chest protection A-1, A-2, A-4, A-8, and A-9

Summary
The samples fulfill the stab resistance requirements according to 'VPAM KDIW 2004' level W4 (CubioWürfel)

Wet spruit
Project leader
W.E.T. Spruit

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Visiting address:
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2496 ZA The Hague

Return address: Postbus 41220 AA Rijswijk

Test report

21REP0276

Experiment according to **VPAM KDIW 2004**
Class **W2 (CubioWürfel)**

Assigner: INITIATIVE DEFENSE SOLUTIONS LTD
Kibbutz
1080000 SDE NACHUM
Israel

Contact: Mr. Dakar Eilat

Sample references: D-2, D-3, D-4, D-5, D-6, D-7, D-8, and D-9

Summary
The samples fulfill the stab resistance requirements according to 'VPAM KDIW 2004' level W2 (CubioWürfel)

Wet spruit
Project leader
W.E.T. Spruit

TNO innovation for life

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2496 ZA The Hague

Return address: Postbus 41220 AA Rijswijk

Test report

21REP0275

Experiment according to **VPAM KDIW 2004**
Class **W4 (CubioWürfel)**

Assigner: INITIATIVE DEFENSE SOLUTIONS LTD
Kibbutz
1080000 SDE NACHUM
Israel

Contact: Mr. Dakar Eilat

Sample references: Chest protection A-1, A-3, A-5, A-6, A-8, and A-9

Summary
The samples, if tested on a flat surface, fulfill the ballistic requirements according to 'VPAM KDIW 2004' level W4 (CubioWürfel) weak area.

Wet spruit
Project leader
W.E.T. Spruit

VPAM KDIW 2004 Certification
My wall labs - Israel

My Wall LTD.
Ballistic Testing & Engineering
Bazalei st. (E.P.S. Building), P.O.B 12376 Mizpe Sapir Industrial Area, ZUR IGAL, 44862 Israel.
Office: 972-9-7493614 Fax: 972-9-7493803 Cellular: 972-50-3542551 e-mail: mywall@012.net.il

28.06.2022


TEST REPORT

Assignor: Initiative Defense Solutions Ltd.
Contact: Kibbutz Sde Nachum 1080600 / Israel
Mr. Dakar Eilat


Description: Experiments according to VPAM KDIW 2004 Class WS, (Cubic/Würfel)

Lab. Set-up: Temperature: 23°C / Rel. Humidity: 52%


Tested Samples: Sample # 1
Customer Sample reference - *Chest / back / shin*
Protection weight - 146 g
Measurements: -
Length - 270 mm
Width - 240 mm
Height - 16 mm



Sample # 2
Customer Sample reference - *Upper hand / lower hand / thigh / body side*
Protection weight - 96 g
Measurements: -
Length - 190 mm
Width - 220 mm
Height - 16 mm




Sample # 3
Customer Sample reference - *Front and back scapula, lower thigh*
Protection weight - 39 g
Measurements: -
Length - 90 mm
Width - 140 mm
Height - 16 mm



My Wall LTD.
Ballistic Testing & Engineering
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Office: 972-9-7493614 Fax: 972-9-7493803 Cellular: 972-50-3542551 e-mail: mywall@012.net.il


Sample # 4
Customer Sample reference - *Joint - knee, elbow, shoulder, foot*
Protection weight - 58 g
Measurements: -
Length - 150 mm
Width - 170 mm
Height - 16 mm




General: *Description test method -*
Establishing the cubic strike resistance capacity of materials according to the requirements specified in the VPAM KDIW 2004 (Stich und Schlagschutz).
To this end the samples are attached on a plasticize backing and tested to determine to what extent the requirements concerning the cubic strike resistance are met.
For every performance level (W1 - W5) three samples shall fulfill one energy level.
Also joints and overlaps have to be tested.
Three temperature conditions are prescribed:
(1) -20°C (2) +20°C / 65% RH and (3) +70°C.
If a sample fulfills a certain level, the sample also fulfills every lower level.

Conclusion: In accordance with the test results detailed in the appendix, the tested samples fulfill the stab resistance requirements according to 'VPAM KDIW 2004' level 'W3, (Cubic/Würfel)'.

Tested by: Yuval Fuchs

Signature: 

Stamp: 

Remarks: _____

**** See Appendix** **END**

GAL VPS/PPS

GAL® VPS/PPS HELMET and PLATES

NIJ standard NTS LABS - USA

GAL VPS/PPS



Technical data is subject to modifications



10 August 2021

United Defense Ltd.
Ramat-Gan PO Box 7659
5227403, IL

Attention: Mr. Oren Gruber

Subject: United Defense Ltd., Armor Protection Ballistic Limit, V50 BL(P), Ballistic Resistance, and Stab Resistance Test: Job No. 3786-003, Tested 19 through 30 July 2021, P.O. No. Wire

Dear Mr. Gruber:

Please find enclosed a report documenting the subject test series conducted by NTS-Chesapeake Testing on 19 through 30 July 2021. This report included a summary of the test as well as a detailed shot record for each armor sample tested.

If you have any questions related to this test, please call Mr. Craig Thomas at 410-297-8154 or contact him via e-mail at craig.thomas@nts.com.

Sincerely,

Chris Schueler
General Manager, NTS-Chesapeake Testing

Imd

Enc. a/s

This report shall not be used to claim product certification, approval or endorsement. The results of the testing relate only to the samples submitted for testing. This test report shall not be interpreted as an endorsement by NTS-Chesapeake Testing as to the continued quality or performance of any items of the same or similar design.

The information contained in this report may be subject to the provisions of the Export Administration Act (50 USC 2401 et seq.), the Export Administration Regulations (15 CFR 768 799), or the U.S. Arms Export Control Act (22 USC 2778 et seq.) and the International Traffic in Arms Regulations (22 CFR 126-136). These statutes and regulations impose restrictions on import, export and transfer to foreign entities and persons, whether within the U.S. or abroad, of certain data and articles without approved licenses from the U.S. Department of State and/or the U.S. Department of Commerce.

NTS-Chesapeake Testing is an independent testing facility and has no affiliation with United Defense Ltd.

1 of 44

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IWI PRESENTING: GAL[®] VPS/PPS

The Revolutionary Lightweight Riot Control Suit



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☎️  +33 1 76 64 13 72

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