



TEST REPORT

N. **4211409/E**

date: 21/04/2023

CLIENT: **EVOC Sports GmbH**
Tegernseer Landstraße 37A
81541 München
Germany

DP

FOR THE ATTENTION OF: Tobias Reischle

DC 16544

SAMPLING: done by the Applicant

SAMPLES RECEIVED: 06/04/2023

TEST PERIOD: 17-21/04/2023

SAMPLES: Back protectors, art. "**LITESHIELD FLEX**", WS 48-52, included in the vest "**PROTECTOR VEST PRO MAN**" and "**PROTECTOR VEST PRO WOMEN**" for motorcycling use.

See the complete description on the next page.

REQUEST: Laboratory tests in accordance with EN 1621-2:2014 T+ and additional impacts after 5 washing cycle (EN ISO 6330:2021) procedure 3G, drying procedure A for the repetition of the tests which gave a negative result in the previous Test Report n. 4230209/E to reach level 2.

NOTE:

- An additional foam layer has been added inside the back protector pocket;
- For all the results not present in this document, see Test Report n. 4230209/E.

OUTCOME: **PASS**

Notes:

All results refer exclusively to the tested materials as received.

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Positive results of a test report do not imply that the tested product is "certified" or "approved" by RCT.

Comments and interpretations are of subjective nature and not part of the Test Report.

Test carried out by qualified partner lab ISO 17025.

* Test not accredited by Accredia

Conformity assessment criterion: the result is considered compliant until the value falls within or coincides with the specification limit.

Unless otherwise indicated, the test conditions correspond to the reference standard.

M22 rev06 del 01/01/2022



Description:

article: **PROTECTO VEST PRO MAN**, black color;
made of a black fabric **(7)**, black fabric **(8)**, black Lycra tape **(9)** and with black satin tape **(4)**;

back padding: anthracite perforated foam.

fastening system:

- hip belt system 2 **(10)**;
- black Velcro **(11)**;
- black tape **(12)**;
- black Velcro **(13)**;
- black tape for edge **(14)**;
- by means of a polymeric zipper closure with black woven tape **(3b)**.

article: **PROTECTOR VEST PRO WOMEN**, black color;

made of a black fabric **(7)**, black fabric **(8)**, black Lycra tape **(9)** and with black satin tape **(4)**;

back padding: anthracite perforated foam.

fastening system:

- hip belt system 2 **(10)**;
- black Velcro **(11)**;
- black tape **(12)**;
- black Velcro **(13)**;
- black tape for edge **(14)**;
- by means of a polymeric zipper closure with black woven tape **(3b)**.



References	Tests	Measuring unit	Requirements	Results
EN 1621-2:2014	Motorcyclists' back protectors			
4.4 (5.1.6.2)	Impact force transmission 50J / bar impactor "kerbstone" - Wet impact test conditioning: hydrolytic treatment 72h/+70°C/>96% r.h. + 24h/23°C - Single values: 1) 2) 3) 4) 5) - Mean: - Level: Visual check after impact Note: at the end of the hydrolytic treatment the protectors are hung in a water vapor proof bag, avoiding the direct contact with the bag itself.	kN	lev.1 lev.2 ≤ 24 ≤ 12	size: 48-52 7,0 7,2 6,5 8,3 6,6 7,1 2 Pass
4.4 (5.1.6.3) (optional T+)	Impact force transmission 50J / bar impactor "kerbstone" - High temperature Conditioning: 24h/+40°C - Single values: 1) 2) 3) 4) 5) - Mean: - Level: Visual check after impact	kN	lev.1 lev.2 ≤ 24 ≤ 12	size: 48-52 9,7 7,5 7,2 9,1 7,7 8,2 2 Pass
-	Overall protective level	-	1/2	2



References	Tests	Measuring unit	Requirements	Results
	Additional impacts			
analogue method 4.4 (5.1.6.1)	Impact force transmission 50J / bar impactor "kerbstone" - Standard conditioning (23°C/50% r.h.) after 5 washing cycles procedure 3G, drying procedure A - Single values: 1) 2) 3) 4) 5) - Mean: - Level: Visual check after impact	kN	lev.1 lev.2 ≤ 24 ≤ 12	size: 48-52 8,8 6,9 6,7 7,7 7,2 7,5 2 Pass
		kN	≤ 18 ≤ 9	
		-	1/2	
		-	no fragmentation of the sample and no sharp edges, cracks and loss of soft debris are permissible	

- End of the Test Report -