

## TECHNICAL REPORT FOR EU TYPE-EXAMINATION CERTIFICATE of Personal Protective Equipment (PPE)

EU TYPE EXAMINATION No.:

UE-000903/00

APPLICATION DATE:

29/08/2024

DATE OF ISSUE:

04/02/2025

APPLICANT:

RESTYLE WEAR B.V.  
Oosteinderweg 127 A + B, 1432AH, Aalsmeer  
THE NETHERLANDS

PPE TYPE:

PROTECTIVE CLOTHING FOR MOTORCYCLE RIDERS: JACKET AND  
TROUSER

REFERENCE (PPE):

CE-TORNADO II JACKET &amp; TROUSER

INDEX:

1. PPE identification
2. Certification scope
3. Documentation submitted
4. Correspondence between this European Standard and Annex II of Regulation (EU) 2016/425 on PPE
5. Comfort, fit and ergonomics evaluation
6. Sizing evaluation
7. Impact protector location and fixation evaluation
8. Structurally strong seams (SSS). General
9. Additional garment construction evaluation
10. Summary of results
11. Conclusion

ANNEX. - EU Type-Examination Certificate

## 1. PPE IDENTIFICATION

### 1.1 Description and photograph

Motorcycle textile pants composed of Outer shell: Cordura Polyester / Lining: Internal mesh. It is produced in black, black and grey, black and white, black and pink. It presents shoulder, elbow, back, hip and knee protectors.

CE- TORNADO II JACKET & TROUSER



## 1.2 Description of the components

Description of the components provided by the customer:

SER	ART CODES	COLORS	DESCRIPTION	FUNCTION	SUPPLIER
1	RES-01-10-009	Black	Cordura	MAIN BODY	Texland
2	RES-01-10-010	Blue	Cordura	MAIN BODY	Texland
3	RES-01-10-012	Grey	Cordura	MAIN BODY	Texland
4	RES-01-10-013	Flourecent	Cordura	MAIN BODY	Texland
5	RES-01-10-014	Pink	Cordura	MAIN BODY	Texland
6	RES-01-10-015	White	Cordura	MAIN BODY	Texland
7	RES-01-10-019	Black	Hard Mesh F3	FRONT & BACK VENT POCKET + ARM INSIDE	Bajwa Trader
8	RES-01-10-020	Blue	Hard Mesh F3	FRONT & BACK VENT POCKET + ARM INSIDE	Bajwa Trader
9	RES-01-10-021	Black	Micro plane Fabric	inside collar	Reliance
10	RES-01-10-024	Silver	REFLECTOR	BODY DIFFERENT POSITION	Reliance
11	RES-01-10-025	Black	Neoprean	inside collar	Reliance
12	RES-01-10-026	Black	Mesh Lining	UNDER ARM VENT	Reliance
13	RES-01-10-027	Yellow Florescent	Mesh Lining		Reliance
14	RES-01-10-028	Black	Matt Fabric	Knee Pannel	Reliance
15	RES-01-10-029	Black	Dynatec Fabric	Knee Pannel	Reliance
16	RES-01-10-030	Black	Fomi Mesh	Pocket	Reliance
17	RES-01-10-033	Black	Velcro Loop	WAIST ASJUSTMENT	Reliance
18	RES-01-10-035	Black	Foam Sheet	BACK waistband	Reliance
19	RES-01-10-036	Black	Teffta Fabric	BACK BODY BOX POCKET	Reliance
20	RES-01-10-037	Yellow Florescent	Teffta Fabric	BACK BODY BOX POCKET	Reliance
21	RES-01-10-038	Black	QUILT	Thermo Lining	Reliance
22	RES-01-10-039	Silver	QUILT	Thermo Lining	Reliance
23	RES-01-10-040	Black	4 way Stretch Fabric	Back legs / Front (Pant)	Reliance
24	RES-01-10-041	Black	Reissa	THERMO LINING	Reliance
25	RES-01-10-042	Black	Lycra Fabric	CONNECTION ZIP	Reliance
26	RES-01-10-033	Black	Velcro Loop	WAIST ASJUSTMENT	Reliance

## 1.3 Sizes

The size chart supplied by the manufacturer:

### SIZE CHARTS Men.

Size	Chest Sizing	Waist Sizing	Hip Sizing	Height
XS	94 -97	71-74	83-86	172-174
S	98-101	76-79	88-81	174-176
M	102-105	81-84	93-96	176-178
L	106-109	86-89	98-101	178-180
XL	110-113	91-94	103-106	180-182
2XL	114-117	96-99	108-111	182-184
3XL	118-121	100 -102	119-122	186-188
4XL	122-125	103-105	119-122	186-188
5XL	126-129	106-108	124-127	188-190
6XL	132-135	109-111	128-131	190-192
7XL	136-139	112-115	132-134	193-196

USER'S SIZE CHART_WOMEN (body measurements)				
LONG SIZE	CHEST		HIP	
BODY HEIGHT 137-180 cm	CIRCUMFERENCE	WAIST CIRCUMFERENCE	CIRCUMFERENCE	
XS	70 - 73	59 - 62	80 - 83	
S	74-77	63-66	84-87	
M	78-81	67-70	88-91	
L	82-85	71-74	92-95	
XL	86-89	75-78	96-98	
XXL	90-93	79-81	99-101	
3XL	94-97	82-85	102-104	
4XL	98-102	86-91	105-110	
5XL	103-107	92-96	111-116	
6XL	108-113	97-102	117-121	
7XL	114-119	103-108	122-126	

### 1.4 Samples given for certification

On 10/09/2024, we received in the laboratory a pair of jackets and a pair of pants in with protectors to test and separate material.

## 2. CERTIFICATION SCOPE

- **EN ISO 13688:2013 and EN ISO 13688:2013/A1:2021** Protective clothing: General requirements
- **EN 17092-3:2020** Protective garments for motorcycle riders – Part 3: Class AA garments – Requirements
  - Risk of fall from motorcycle or another accident.
  - Risk of impact with the riding surface, with the rider's motorcycle, conflicting vehicles and other objects.
  - Risk of abrasion from the riding surface.

## 3. DOCUMENTATION SUBMITTED

Technical documentation, including the next points:

- Complete description of the PPE and of its intended use
- An assessment of the risks against which the PPE is intended to protect
- List of the essential health and safety requirements that are applicable to the PPE
- Design and manufacturing drawings and schemes of the PPE and of its components and explanations
- Reference of the harmonized standards and/or other technical specifications
- Reports on the tests carried out to verify the conformity of the PPE
- A description of the means used by the manufacturer during the production (Module C)
  - Manufacturer's instructions
  - Marking
  - Declaration of conformity

#### 4. CORRESPONDENCE BETWEEN THIS EUROPEAN STANDARD AND ANNEX II OF REGULATION (EU) 2016/425 ON PPE

- EN ISO 13688:2013 and EN ISO 13688:2013/A1:2021 Protective clothing: General requirements

Essential Health and Safety Requirements, according to Annex II of Regulation (UE) 2016/425	Clause(s) / sub-clause(s) of the standard EN ISO 13688:2013/A1:2021	Result
1.2.1 Absence of risk and other inherent nuisance factors	5.3	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.2.1.1 Suitable constituent materials	4.2	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.2.1.2 Satisfactory Surface condition of all PPE parts in contact with the user	4.4	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.4 Manufacturer's instructions and information	8	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
2.12 PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	6; 7	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>

- EN 17092-3:2020 Protective garments for motorcycle riders – Part 3: Class AA garments – Requirements

Essential Health and Safety Requirements, according to Annex II of Regulation (EU) 2016/425	Clause(s) / sub-clause(s) of the standard EN 17092-3:2020	Result
1.1.1 Ergonomics	4.8	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.1.2 Levels and classes of protection	4.3 - 4.4 - 4.5	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.2 Innocuousness of PPE	4.1.2 - 4.8	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.3.3 Compatibility of different types of PPE intended for simultaneous use	4.2.1 - 4.2.2	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.3.4 Protective clothing containing removable protectors	4.2.1 – 4.2.2	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
1.4 Manufacturer's instructions and information	6	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
2.1 PPE incorporating adjustment systems	4.6.2 - 4.6.3	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
2.9 PPE incorporating components which can be adjusted or removed by the user	4.2 - 4.6	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>

Essential Health and Safety Requirements, according to Annex II of Regulation (EU) 2016/425	Clause(s) / sub-clause(s) of the standard EN 17092-3:2020	Result
2.12 PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	5	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
3.1 Protection against mechanical impact; Impact caused by falling or ejecting objects and collision of parts of the body with an obstacle	4.2 - 4.3	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>
3.3 Protection against mechanical injury	4.2 - 4.3 - 4.4 - 4.5 - 4.6 - 4.7	Meet <input checked="" type="checkbox"/>
		Not meet <input type="checkbox"/>
		Not applicable <input type="checkbox"/>

## 5. COMFORT, FIT AND ERGONOMICS EVALUATION

- EN ISO 13688:2013 and EN ISO 13688:2013/A1:2021 Protective clothing – General requirements.

Requirement
After the comfort evaluation according to point 4.4 of EN ISO 13688:2013 and EN ISO 13688:2013/A1:2021, the PPE is determined to be:
Conforming <input checked="" type="checkbox"/> Non-conforming <input type="checkbox"/>

- EN 17092-3:2020 Protective garments for motorcycle riders – Part 3: Class AA garments – Requirements

Requirement
After the evaluation of fit and ergonomics according to point 4.7.9 of Standard EN 17092-3:2020, the PPE is determined:
Conforming <input checked="" type="checkbox"/> Non-conforming <input type="checkbox"/>

## 6. SIZING EVALUATION

- EN ISO 13688:2013 and EN ISO 13688:2013/A1:2021 Protective clothing: General requirements

Requirement
After evaluation of the sizing according to point 6 and Annex D of Standard EN ISO 13688:2013 and EN ISO 13688:2013/A1:2021, it is determined that the PPE is:
Conforming <input checked="" type="checkbox"/> Non-conforming <input type="checkbox"/>

## 7. IMPACT PROTECTOR LOCATION AND FIXATION EVALUATION

- **EN 17092-3:2020** Protective garments for motorcycle riders – Part 3: Class AA garments – Requirements

Requirement
After the evaluation of the impact protector fixation according to point 4.2.2 of Standard EN 17092-3:2020, the PPE is determined:
Conforming <input checked="" type="checkbox"/>
Non-conforming <input type="checkbox"/>

## 8. STRUCTURALLY STRONG SEAMS (SSS). GENERAL

- **EN 17092-3:2020** Protective garments for motorcycle riders – Part 3: Class AA garments – Requirements

Requirement
After the evaluation of the structurally strong seams (SSS) according to point 4.4.1 of Standard EN 17092-3:2020, the PPE is determined:
Conforming <input checked="" type="checkbox"/>
Non-conforming <input type="checkbox"/>

## 9. ADDITIONAL GARMENT CONSTRUCTION EVALUATION

- **EN 17092-3:2020** Protective garments for motorcycle riders – Part 3: Class AA garments – Requirements

Requirement for structurally closures
After the evaluation of the structurally closures according to point 4.7.2 of Standard EN 17092-3:2020, the PPE is determined:
Conforming <input checked="" type="checkbox"/>
Non-conforming <input type="checkbox"/>

Requirement for vents
After the evaluation of the pockets according to point 4.7.3 of Standard EN 17092-3:2020, the PPE is determined:
Conforming <input checked="" type="checkbox"/>
Non-conforming <input type="checkbox"/>

Requirement for pockets
After the evaluation of the pockets according to point 4.7.4 of Standard EN 17092-3:2020, the PPE is determined:
Conforming <input checked="" type="checkbox"/>
Non-conforming <input type="checkbox"/>

**Requirement for collar material**

After the evaluation of the pockets according to point 4.7.6 of Standard EN 17092-3:2020, the PPE is determined:

Conforming

Non-conforming



## 10. SUMMARY OF RESULTS

LEGEND RESULTS	
M	Meet
NM	Not meet
NA	Not applicable
NT	Not tested

- EN ISO 13688:2013 and EN ISO 13688:2013/A1:2021 Protective clothing: General requirements

Test	BE APLICATED	STANDARD	REQUERIMENTS	REPORT No.	RESULT
<b>Cr (VI) content</b> point 4.2	Leather label	ISO 17075	EN ISO 13688:2013, point 4.2, a) Shall not exceed < 3mg/kg	NA	NA
<b>Nickel release</b> point 4.2	Metallic material	EN 1811	EN ISO 13688:2013, point 4.2, b) Shall have a release of nickel of less than < 0,5µg/cm <sup>2</sup> per week.	ZHAO 068007	M
<b>pH</b> point 4.2	All textile materials	Textile ISO 3071 Leather ISO 4045	EN ISO 13688:2013, point 4.2 c) Greater than 3,5 and less than 9,5	AV224-434 / AV224-440 / AV224-438 / AV224-439 / AV224-437 / AV224-436 / AV224-422 / AV224-428 / AV224-429 / 11290-24 / AV224-423 / AV224-443 / AV224-442 / AV224-427 / 22029-24 / AV224-426 / AV224-429 / AV224-433 / AV224-425 / AV224-424 / AV224-421 / AV224-420 / AV224-419 / AV224-444 / AV224-418 / cm-23-3113-6	M
<b>Azo colorants which release carcinogenic amines listed</b> point 4.2	All textile materials	EN 14362-1 <sup>(1)</sup>	EN ISO 13688:2013, point 4.2 Shall be no detectable	14-003159 / 14-003172 / 14-003185 / 14-003182 / 14-003154 / 14-003160 / 14-003162 / 14-003158 / 14-003152 / 11290-24 / 14-003155 / 14-003183 / 14-003181 / 14-003176 / 22029-24 / 14-003173 /	M

				14-003152 / 14-003187 / 14-003180 / 14-003157 / 14-003186 / 14-003161 / 14-003174 / 14-003156 / 14-003175 / cm-23-3113-6	
<b>Ergonomics</b> point 4.4	Protective clothing	ISO 13688:2013, point 4.4 and EN 13921	EN ISO 13688:2013, point 4.4 and Annex C	Point 5 of this report	M
<b>Dimensional change, after treatment</b> point 5.3 x 5 30°C (A)	Jacket and pants	Washed ISO 5077 Dry cleaned ISO 3175-1	EN ISO 13688:2013, point 5.3 ≤ ±5%	AR-24-YL- 012506-01	M
<b>General size designation</b> point 6	Protective clothing	ISO 3635, ISO 13688:2013, point 6 and Annex D	EN ISO 13688:2013, point 6 and Table 1	Point 6 of this report	M
<b>Marking</b> point 7	EN ISO 13688:2013, point 7 y Annex E			NA	M
<b>Information supplied by the manufacturer</b> point 8	EN ISO 13688:2013, point 8			NA	M

<sup>(1)</sup>The Azo colorants are tested according to ISO 17234-2:2011 and ISO 17234-1:2020 when leather material

- EN 17092-3:2020 Protective garments for motorcycle riders – Part 3: Class AA garments – Requirements

TEST	BE APLICATED	STANDARD	REQUERIMENTS	REPORT No.	RESULT										
Innocuousness point 4.1.2	PPE materials and parts	EN ISO 13688:2013, point 4.2	EN 17092-3:2020, point 4.1.2	See point 4.2 from above table	M										
Impact energy absorption point 4.2.1	Impact protectors: H-7002 K-791:K S-790:S E-791:E W-7002	EN 1621-1/-2/-3/- 4:2012	All impact protectors present in a garment shall meet at least the Level 1 requirements, according to the Table 1	Certificate: 2777/15200- 01/E00-00 UE-000316/00 2777/15212- 01/E00-00	M										
Impact protector location and fixation point 4.2.2	Impact protectors	EN 17092-1: 2020, point 5.5.2	EN 17092-3:2020, point 4.2.2	Point 7 of this report	M										
Impact abrasion resistance point 4.3	SSL: External fabric	EN 17092-1:2020, point 5.4	EN 17092-3:2020, point 4.3 <table border="1"> <thead> <tr> <th>Zones</th> <th>Impact abrasion resistance requirements (rpm / Darmstadt test method)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>412</td> </tr> <tr> <td>2</td> <td>265</td> </tr> <tr> <td>3</td> <td>147</td> </tr> </tbody> </table>	Zones	Impact abrasion resistance requirements (rpm / Darmstadt test method)	1	412	2	265	3	147	AR-24-YL- 012506-01 / AR-24-YL- 010690-01	M		
Zones	Impact abrasion resistance requirements (rpm / Darmstadt test method)														
1	412														
2	265														
3	147														
Structurally strong seams point 4.4	SSS in the SSL Zone 1, 2 and 3 / Structural closure	EN 13594:2015, Annex B.	EN 17092-3:2020, point 4.4.1 and 4.4.2 <table border="1"> <thead> <tr> <th>Zones</th> <th>Seam Strength (N/mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8</td> </tr> <tr> <td>2</td> <td>8</td> </tr> <tr> <td>3</td> <td>6</td> </tr> <tr> <td>Protector pocket material (if present)</td> <td>4</td> </tr> </tbody> </table>	Zones	Seam Strength (N/mm)	1	8	2	8	3	6	Protector pocket material (if present)	4	AR-24-YL- 012506-01	M
Zones	Seam Strength (N/mm)														
1	8														
2	8														
3	6														
Protector pocket material (if present)	4														
Structurally strong seams General point 4.4.1	Garment	EN 17092-3:2020, point 4.4.1	Seams shall meet the following requirements, according to their zones, which are determined according to EN 17092-1:2020, point 5.2	Point 8 of this report	M										
Tear strength point 4.5	SSL: External fabrics	EN ISO 3377- 1:2011 (leather) EN ISO 4674- 1:2016, method B (others)	EN 17092-3:2020, point 4.5 <table border="1"> <thead> <tr> <th>Zones</th> <th>Tear strength (N)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>40</td> </tr> <tr> <td>2</td> <td>40</td> </tr> <tr> <td>3</td> <td>30</td> </tr> <tr> <td>Protector pocket material (if present)</td> <td>10</td> </tr> </tbody> </table>	Zones	Tear strength (N)	1	40	2	40	3	30	Protector pocket material (if present)	10	AR-24-YL- 012506-01 / AR-24-YL- 010690-01	M
Zones	Tear strength (N)														
1	40														
2	40														
3	30														
Protector pocket material (if present)	10														
Restraint. General point 4.6.1	Garment	EN 17092-1:2020, point 5.5	EN 17092-3:2020, point 4.6	AR-24-YL- 012506-01	M										
Two-piece suit requirements for joint between upper part and lower part point 4.6.2	Garment	EN 17092-1:2020, point 5.5.3.1	EN 17092-3:2020, point 4.6.2	AR-24-YL- 012506-01	M										
Garment sleeve restraint point 4.6.3	Garment	EN 17092-1:2020, point 5.5.3.2	EN 17092-3:2020, point 4.6.3	AR-24-YL- 012506-01	M										
Structural closures point 4.7.2	Garment	EN 17092-3:2020, point 4.7.2		Point 9 of this report	M										
Vents point 4.7.3	Garment	EN 17092-3:2020, point 4.7.3		Point 9 of this report	M										

<b>Pockets</b> point 4.7.4	Garment	EN 17092-3:2020, point 4.7.4		Point 9 of this report	M
<b>Zone intrusions</b> point 4.7.5	Garment	EN 17092-1:2020, point 5.2.3.2 and EN 17092-1:2020 and Table 3	EN 17092-3:2020, point 4.7.5	NA	NA
<b>Collar material</b> point 4.7.6	Garment	EN 17092-1:2020, point 5.2.3.2	EN 17092-3:2020, point 4.7.6	NA	NA
<b>Use of open mesh materials</b> point 4.7.7	Garment	EN 17092-3:2020, point 4.7.7		NA	NA
<b>Use of retroreflective materials (optional)</b> point 4.7.8	Garment	EN 1150:1999	EN 1150:1999, point 6	NA	NA
<b>Fit and ergonomics</b> point 4.7.9	Garment	EN 17092-1:2020, point 5.6	EN 17092-3:2020, point 4.7.9 The assessor to the questions detailed in EN 17092-1:2020, point 5.6, Table 11, shall be positive	Point 5 of this report	M
<b>Marking</b> point 5	EN 17092-3:2020, point 5			NA	M
<b>Information supplied by the manufacturer</b> point 6	EN 17092-3:2020, point 6			NA	M

## 11. CONCLUSION

Based on the results obtained in the exams, evaluations and revisions the following can be deduced:

The PPE type **JACKET AND TROUSER** reference **CE-TORNADO II JACKET & TROUSER**, classified as **Category II** Individual Protective Equipment and whose characteristics are stated in point 1 of this report, **COMPLIES** with the essential requirements established by Regulation (EU) 2016/425 of 9 March 2016 through the application of the standards and risks as stated in point 2 of this report.

On 4<sup>th</sup> of February 2025

Signature of the conformity evaluator: