

EU type-examination report

This EU type-examination report is for EU type-examination certificate No. 0598/PPE/190619, Issue 1.

1. Applicant

Turun Kaupungin Työkeskus
Pansiontie 56
FI-20240 Turku
Finland

2. Description and identification of the product

Product name: Varoitustyökäluliivi (HiVis Waistcoat with hanging pockets)
Varoitushousut 4 (HiVis Trousers 4)

Type: High visibility clothing as defined in EN ISO 13688:2013, EN ISO 20471:2013 and EN ISO 20471:2013/A1:2016

Waistcoat class 2, trousers class 1
Combination of waistcoat and trousers class 3

Size range: 48 ->

Description: Garments can be made of one of the following fluorescent background materials:

- fluorescent yellow, orange or red Luminex 310, 85% PES 15% CO, 310 g/m² (Klopman International Srl, Italy)
- fluorescent yellow, orange or red Luminex 270, 85% PES 15% CO, 310 g/m² (Klopman International Srl, Italy)
- fluorescent yellow or orange Viking FX 10120, 70% PES 30% CO, 240 g/m² (Foxa Oy, Finland)
- fluorescent yellow or orange 3000-38 Otso, 70% PES 30% CO, 230 g/m² (MHN Teva-Team Oy, Finland).

Alternative non-fluorescent materials:

- Showstar 0154 80, 65% PES 35% CO, 250 g/m², black (Klopman International Srl, Italy)
- Viking FX 2908, 70% PES 30% CO, 240 g/m², black (Foxa Oy, Finland)
- 3000-38 Otso, 70% PES 30% CO, 230 g/m², black (MHN Teva-Team Oy, Finland)
- Escalade, 16% PES, 46% PES, 38% EME, 295 g/m², black (Klopman International Srl, Italy)
- Jupiter 34620-0990, 91% PA, 9% EL, 250 g/m², black (Foxa Oy, Finland).

Retroreflective material is 3M Scotchlite 9910, Silver Industrial Wash Sew-on fabric.

Manufacturer: Turun Kaupungin Työkeskus, Pansiontie 56, FI-20240 Turku, Finland

3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. Materials and the products have been tested in accordance with harmonized European standards EN ISO 13688:2013 and EN ISO 20471:2013 amended with EN ISO 20471:2013/A1:2016 by accredited testing laboratories. The models of the products supplied by the applicant conform to the technical documentation.

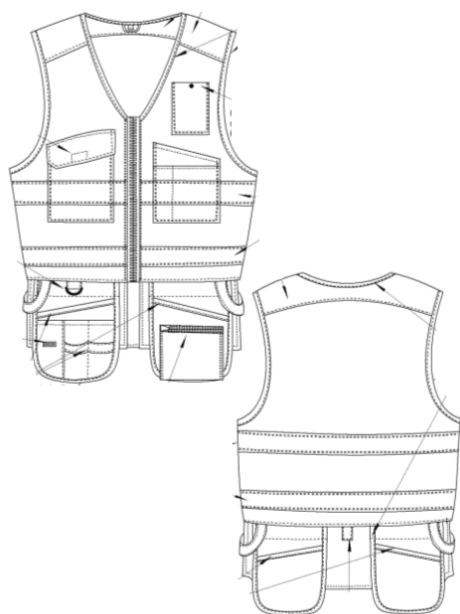
4. Compliance with essential health and safety requirements

The products and the technical documentation relating to them comply with the relevant essential health and safety requirements stated in the Regulation (EU) 2016/425 Annex II.

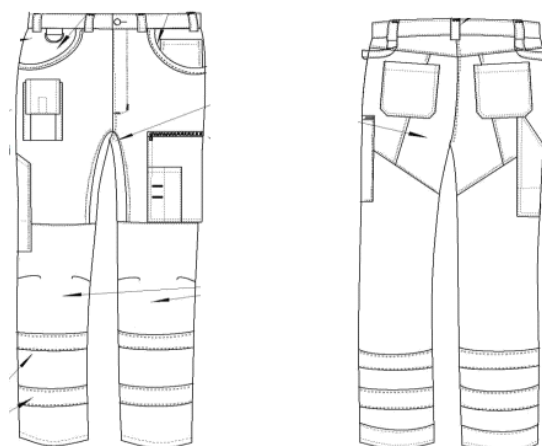
Note: Any modification in design, materials, or in the technical documentation, carried out on these type-examined products must be brought to the attention of SGS Fimko.

Pictures of the products

Varoitustyökaliivi
(HiVis Waistcoat with hanging pockets)



Varoitushousut 4 (HiVis Trousers 4)



Appendix 1 Technical documentation
Appendix 2 Document history

End of EU type-examination report.

Technical documentation regarding EU type-examination report 0598/PPE/190619/R

Product name: Varoitustyökäluliivi (HiVis Waistcoat with hanging pockets)
Varoitushousut 4 (HiVis Trousers 4)

Applicant: Turun Kaupungin Työkeskus, Pansiontie 56, FI-20240 Turku, Finland

Item of technical documentation	Document identification	Assessment
1. Application for the EU type examination	2019-06-04	
2. Product drawing, construction, and material list	Technical files, 2019-10-03 (Rakennekuva, Käytetyt materiaalit)	Products are identified and described, materials are specified
3. Compliance with Regulation (EU) 2016/425 essential health and safety requirements	The compliance assessment is based on reports mentioned below items 3.1-3.16	
3.1. SGS Fimko assessment of essential health and safety requirements	2019-11-29	The applied harmonised standards EN ISO 13688:2013, EN ISO 20471:2013 and EN ISO 20471:2013/A1:2016 support the relevant requirements
3.2. STFI test report	No. 2016 0720.14, 2016-12-07 Luminex 310, HV Yellow, HV Orange, HV Red	Material and fluorescent colours meet the requirements of EN ISO 20471:2013 (50 industrial washes at 75°C)
3.3. STFI test report	No. 2016 0720.11, 2016-12-07 Luminex 270, HV Yellow, HV Orange, HV Red	Material and fluorescent colours meet the requirements of EN ISO 20471:2013 (50 industrial washes at 75°C)
3.4. FIOH Certificate of Test	No. 225439A01rev1, 2013-11-15 Viking FX 10120, HV Yellow, HV Orange	Material and fluorescent colours meet the requirements of EN ISO 20471:2013 (25 industrial washes at 85°C)
3.5. FIOH Certificates of Test	No. 264944A01, 2014-11-07 OTSO 300-38, HV Yellow No. 264944A02, 2014-11-07 OTSO 300-38, HV Orange	Material and fluorescent colours meet the requirements of EN ISO 20471:2013 (50 domestic washes at 85°C)
3.6. FIOH test report	No. 363045T01, 2017-09-15 Showstar, Super Black	Non-fluorescent colour meets the requirements of EN ISO 20471:2013 for colour fastness
3.7. High Street Textile Testing Services test report	No. 231814/3, 2014-02-07 Viking 608 HF 2908 Super Black	Non-fluorescent colour meets the requirements of EN ISO 20471:2013 for colour fastness
3.8. FIOH Certificate of Test	No. 264989A05, 2014-11-07 Otso 300-38 0000, Black	Non-fluorescent material and colour meet the requirements of EN ISO 20471:2013
3.9. STFI test report	No. 2014 2237, 2014-11-06 Escalade	Non-fluorescent material meets the requirements of EN ISO 20471:2013 for dimensional change and tensile strength
3.10. FIOH test report	No. 326510T01, 2016-02-29 Escalade, New Black	Non-fluorescent colour meets the requirements of EN ISO 20471:2013
3.11. FIOH Certificate of Test	No. 385403A01, 2018-12-20 Jupiter 34620-0990, Black	Non-fluorescent material and colour meet the requirements of EN ISO 20471:2013

3.12. FIOH test report	No. 308892A01, 2015-04-30 3M Scotchlite 9910 Silver Industrial Wash Fabric	Retroreflective material meets the requirements of EN ISO 20471:2013, EN ISO 20471:2013/A1:206 (30 industrial washes at 75°C, 100 domestic washes at 60°C)
3.13. FIOH test record	Assessment of the design and measurement of areas, 2019-09-13	Waistcoat meets the requirement of class 2, trousers class 1 as defined in EN ISO 20471:2013: Areas of reflective and fluorescent materials: <ul style="list-style-type: none"> • Waistcoat size 48: 0.13 m², 0.50 m² • Trousers size 48: 0.11 m², 0.63 m² Combination of waistcoat and trousers meet class 3
3.14. Draft information sheet	Käyttöohjeet	Documents meet the requirements of the PPE Regulation, EN ISO 13688:2013 and EN ISO 20471:2013
3.15. Product markings	CE labels	Markings meet the requirements of the PPE Regulation, EN ISO 13688:2013 and EN ISO 20471:2013
3.16. Risk assessment	Risk assessment, 2019-11-27	Adequate
4. Description of the production quality system and related product control and test facilities	Laadun valmistussuunnitelma, 2019-10-03	Adequate for PPE risk category II products module B

Document history of EU type-examination certificate 0598/PPE/190619 and report 0598/PPE/190619/R

2019-11-29	EU type-examination certificate 0598/PPE/190619, Issue 1
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Notified Body 0598

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