

OETI Slovakia - Testing & Certification Services

**Accredited Textile & Personal Protective Equipment (PPE)
Testing Solutions**

High-Quality. Certified. Trusted.



**COMPETENCE
CREATES
CONFIDENCE**



oeti

OETI - Institute for Ecology, Technology and Innovation

Contents

1	OETI Slovakia: Your Accredited Partner for PPE and Textile Testing & Certification.....	3
2	Our main standards for certification of textile PPE, CE marking	4
3	Tests for certification of textile PPE	7
4	Protective gloves.....	8
5	Tests to verify harmlessness.....	8
6	Tests for Textile Technology.....	9
7	Service Information	11



Edition 2025/10



1 OETI Slovakia: Your Accredited Partner for PPE and Textile Testing & Certification

OETI Slovakia s. r. o. was founded in 2023 in Žilina to strengthen OETI's European network with a dedicated laboratory, providing the textile and PPE industry with accredited, independent, and practical solutions that reduce complexity, ensure compliance, and enhance competitiveness in global markets.

Our accreditations at a glance

We are accredited under EN ISO/IEC 17025, a testing laboratory (No. S-428), and EN ISO/IEC 17065, a certification body for products, PPE, by the Slovak National Accreditation Service (SNAS, 2025).

Our independent results help you to bring compliant and performing products to market under CE requirements (Regulation (EU) 2016/425).

Why Žilina

Excellent road and rail links ensure smooth logistics for samples. Located near a leading university, our laboratory combines modern infrastructure with efficient project delivery.

What we test

Visual assessment and instrumental measurement of basic design parameters, physical-mechanical parameters, protective and functional properties, including evaluation of product durability, Fit and Proof test of clothing, assessment of ergonomics and finished product processing according to the requirements of a specific product standard or the client, colour fastness, visibility - all according to valid EN/ISO standards.

How we work

From enquiry to reporting, we offer a clear, traceable process. Where applicable, conformity assessment is performed within the OETI Group. Selected sub-tests are coordinated with qualified partners under controlled subcontracting.

What you gain

- **Problem-solving expertise:** Specialist know-how to navigate complex PPE and textile requirements.
- **Market readiness:** By obtaining our EU type - examination certificate, manufacturers can mark their products with the CE conformity mark and place them on the European market.
- **Efficient project delivery:** Reliable timelines, supported by location and planning.
- **Peace of mind:** Results from a trusted European accreditation laboratory network.
- **Stronger market position:** Reduced risks and greater competitiveness through proven quality your products.

Next: The following pages provide a detailed overview of our range of testing and certification services.

2 Our main standards for certification of textile PPE, CE marking

Protective clothing	
EN ISO 13688/A1	Protective clothing – General requirements
EN 342	Protective clothing – Ensembles and garments for protection against cold
EN 14058+A1	Protective clothing – Garments for protection against cool environments
EN 343	Protective clothing – Protection against rain
EN 510	Specification for protective clothing for use where there is a risk of entanglement with moving parts
EN ISO 20471/A1	High-visibility clothing – Test methods and requirements
EN 17353	Protective clothing – Enhanced visibility equipment for medium-risk situations – Test methods and requirements
EN ISO 13998	Protective clothing. Aprons, trousers and vests protecting against cuts and stabs by hand knives
EN 14325+A1	Protective clothing against chemicals – Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages
EN 14605+A1	Protective clothing against liquid chemicals – Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections including items providing protection to parts of the body only (Types PB [3] and PB [4])
EN 13034+A1	Protective clothing against liquid chemicals – Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment)
EN ISO 13982-1/ A1	Protective clothing for use against solid particulates – Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (Type 5 clothing)

Protective clothing for firefighters	
EN 469	Protective clothing for firefighters – Performance requirements for protective clothing for firefighting activities
EN 1486	Protective clothing for firefighters – Test methods and requirements for reflective clothing for specialised firefighting
EN ISO 15384/A1	Protective clothing for firefighters – Laboratory test methods and performance requirements for wildland firefighting clothing
EN 13911	Protective clothing for firefighters – Requirements and test methods for fire hoods for firefighters
EN 16689	Protective clothing for firefighters – Performance requirements for protective clothing for technical rescue

Protective clothing against thermal hazards	
EN ISO 11611	Protective clothing for use in welding and allied processes
EN ISO 11612	Protective clothing – Clothing to protect against heat and flame – Minimum performance requirements
EN ISO 14116	Protective clothing – Protection against flame – Limited flame spread materials, material assemblies and clothing
EN 61482-1-2	Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-2: Test methods – Method 2: Determination of arc protection class of material and clothing by using a constrained and directed arc (box test)
EN 61482-2	Live working – Protective clothing against the thermal hazards of an electric arc – Part 2: Requirements
EN ISO 14460/A1/AC	Protective clothing for automobile racing drivers. Protection against heat and flame. Performance requirements and test methods

Protective clothing – Electrostatic properties

EN 1149-5	Protective clothing – Electrostatic properties – Part 5: Material performance and design requirements
-----------	---

Protective clothing for users of chainsaws

EN ISO 11393-2/O1	Protective clothing for users of hand-held chainsaws – Part 2: Performance requirements and test methods for leg protectors
EN ISO 11393-6	Protective clothing for users of hand-held chainsaws – Part 6: Performance requirements and test methods for upper body protectors

Protective gloves

EN ISO 21420/A1	Protective gloves – General requirements and test methods
EN 388+A1	Protective gloves against mechanical risks
EN 407	Protective gloves and other hand protective equipment against thermal risks (heat and/or fire)
EN 511	Protective gloves against cold
EN 659+A1/AC	Protective gloves for firefighters
EN 12477/A1/O1	Protective gloves for welders
EN 16350	Protective gloves – Electrostatic properties

3 Tests for certification of textile PPE

EN ISO 3759 / EN ISO 5077 / EN ISO 6330	Dimensional change on washing
EN ISO 13934-1	Maximum force and elongation (strip method)
EN ISO 13934-2	Maximum force and elongation (grab method)
EN ISO 13937-2 / EN ISO 13937-3 / EN ISO 13937-4 / EN ISO 4674 / EN ISO 9073-4	Tear force
EN ISO 13935-1 / EN ISO 13935-2	Seam resistance
EN ISO 9237	Air permeability
EN ISO 811	Resistance to water penetration (hydrostatic pressure)
EN ISO 4920	Resistance to surface wetting (spray test)
EN ISO 12945-2	Pilling propensity
EN ISO 12947-2	Abrasion resistance (Martindale method)
EN ISO 7854 Method C	Resistance to damage by flexing (creasing/flexing method)
EN 20105 series (A02, N01) / EN ISO 105 series (A01, A03, A04, A05, C06, C08, C09, C10, C12, D01, D02, E01– E09, N02, P01, X05, X11, X12, B02, B07)	Tests for colour fastness (various methods)
EN ISO 20471/A1/ EN ISO 105 series (J01–J03)	Determination of colour and luminance factor (high-visibility clothing, base material)

EN 17353	Determination of colour and luminance factor (enhanced visibility equipment)
EN ISO 17353 / EN ISO 15384 / EN 469	Measurement of visible material area
EN ISO 11393-2/O1 / EN ISO 11393-6 / EN ISO 13998	Measurement of protective coverage
All main standards for certification of textile PPE	Evaluation of ergonomics, construction and labelling of PPE

4 Protective gloves

EN 388, point 6.1	Abrasion resistance
EN 388, point 6.2	Cut resistance (Coupe test)
EN 388, point 6.3 (EN ISO 13997)	Cut resistance (TDM method)
EN 388, point 6.4	Tear resistance

5 Tests to verify harmlessness

OEKO-TEX Standard 201 M-9-A / M-9-B / M-9-C / M-9-D	Tests for colour fastness (various methods)
EN ISO 3071 (pH value) / OEKO-TEX Standard 201 M-1	Chemical and ecological testing

6 Tests for Textile Technology

ISO 3572 / EN ISO 8388 / ISO 7211-2 / EN 14971 / EN 1773 / EN ISO 15797 / EN ISO 8559-1 / EN ISO 8559-2 / EN 13402-3 / national standards (STN, ČSN)	Fabric structure and dimensions
EN ISO 5084 / EN 12127 / ISO 3801 / EN ISO 2286-2 / EN ISO 9073-1 / EN ISO 9073-2 / EN ISO 2060	Mass, thickness and density
EN ISO 20932 series (elasticity) / EN ISO 1421 / EN ISO 9073-3 / EN ISO 2062 / EN ISO 11393-2 / EN ISO 11393-6 / EN 863 / STN EN 407 (section 6.8)	Mechanical properties
EN 342 (section 6.5) / EN 343 (section 6.3)	Water resistance
ISO 16322 series / EN ISO 2313-1 / ISO 9867	Spirality and wrinkle recovery

EN ISO 12945-4 / EN ISO 12947 series / EN 13770/ EN 14465/A1 / EN 530 / ISO 8498 / EN ISO 15487 / national standards (STN)	Surface appearance
EN 20105 series / EN ISO 105 series/ OEKO-TEX Standard 201 (M- 9-A/B/C/D)	Tests for colour fastness (various methods)





7 Service Information

OETI Slovakia s. r. o. is a subsidiary of OETI - Institut fuer Oekologie, Technik und Innovation GmbH and part of the **TESTEX Group**.

We operate as an **accredited testing laboratory for PPE**. All testing services are performed under a rigorous quality management system in line with **EN ISO/IEC 17025**.

Our **Notified Body Number is 3123**.

Where applicable, our tests support conformity assessment within the OETI group (**EU PPE Regulation 2016/425**).

This brochure outlines our most common and essential test methods, primarily **EN/ISO standards**. We also provide custom testing solutions tailored to your product needs on request.

The OETI Headquarters - **OETI - Institut fuer Oekologie, Technik und Innovation** - are based in Vienna, Austria. The OETI testing laboratory in Austria is accredited under **EN ISO/IEC 17025, a testing laboratory (No. 0012)**, and **EN ISO/IEC 17065, a certification body for products, PPE, by the accreditation body "Accreditation Austria" (No. 0942)**.

The **Notified Body Number is 0534**.

For more information, please visit the OETI website at www.oeti.biz/en.

OETI Headquarters' other subsidiary in PPE, **ECS GmbH – European Certification Service**, based in Germany, conducts tests and certifications for eye and face protection. **ECS holds accreditation as a Notified Body NB 1883** in the European Market for eye and face protection equipment and is notified by the **Central Office of Federal States for Safety (ZLS)**.

For more information, please visit the ECS website at www.ecs-eyesafe.de.

Notes:

- Note on order modalities: email, telephone, in person
- Order confirmations are issued on request
- Our **General Terms and Conditions** apply. The current version is available at www.oeti.biz/uploads/oeti/downloads



OETI Slovakia: Expert Support and Global Recognition



In 2023, the Austrian-based OETI – Institute for Ecology, Technology and Innovation expanded its laboratory network with a new site in Žilina, Slovakia. Located near a top university, this facility extends our PPE and textile testing capabilities.

OETI Slovakia supports international manufacturers, retailers and brands with **independent, reliable results**. As part of the **TESTEX Group**, customers benefit from expert support and **globally recognised** reporting.

Contact our experts

- Contact: **Dana Rástočná-Illlová, PhD** – Managing Director, OETI Slovakia s. r. o.
- Address: Univerzitná 8661/6A, 010 08 Žilina, Slovakia
- Email: dana.rastocna-illova@oeti.biz
- Tel.: +421 910 540 650
- Web: www.oeti.biz