

# Test Report



## Cut-resistant trousers "SIP Innovation II and Innovator

Test No. 8315

Owner of the certificate

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Innovation II



Innovator

## Results and assessments

Results from the 2014 practice survey.

### Brief description

**Trousers:**

With **CE-approved** cut protection (class 1) in waistband form.

Material outer fabric 100 % polyamide, lining 65 % polyester, 35 % cotton and 45 % polyester, 35 % polypropylene 20% polyethylene, washable at 60°C.

Difference between Innovator and Innovation II: Innovator has a slightly larger ventilation fabric above the back of the knees and a stretch fabric on the back that runs all the way to the waistband and a higher kidney protection.

Weight approx. 1086 g (size L / 45 - 49)

Type and design Robust cut protection trousers, 2 push pockets, 1 thigh pocket, 1 seat pocket and 1 metre stick pocket. Bi-elastic high-tech fabrics, knee reinforcements, robust fabric on the lower splint leg and calf area, additional thigh ventilation through robust mesh fabrics, not closable, inner lining made of mesh lining.

**Cut protection:**Trousers form A, protection class 1, tested at DPLF (KWF).

Structure 6 layers of cut protection cut protection material.

Mode of action Decelerating and blocking.

### Overall assessment

**Range of use:**

year-round forestry work, especially with the chainsaw. Wearing time during the study: a total of 774 days of use at all sites.

Characteristic	Overall rating
TrousersWearing <b>properties</b>	<b>+</b>
Durability	<b>+/O</b>
Equipment	<b>+</b>
Care	<b>++/+</b>
<b>Overall rating</b>	<b>good</b>

++ = very good; + = good; o = satisfactory; - = sufficient; - - = poor

### Brief characteristics from the wear test

The Innovation II and Innovator cut protection trousers are robust and solid all-year-round trousers with unclosable ventilation openings in the back of the knees, but their effect would not be sufficient for pure summer trousers. The pockets are rather small.

## Individual data from the practical testing of the object

Trousers	Data (+)	Data (-)
<b>Wear properties</b>	The trousers are certified as having a good fit and a low weight.	Some testers found the seams in the back of their knees pinching when kneeling.
<b>Durability</b>	"Robust and well made", relatively low susceptibility to thorns.	
<b>Equipment</b>	Ventilation openings are present and make the trousers a good year-round trouser. However, the ventilation is not sufficient for pure summer trousers.	Some of the pockets are a little small, some of the zips are stiff, the folding rule pocket is too high, and it is also too narrow for a measuring stick. The opening direction of the pocket zips from bottom to top irritates some test persons.
<b>Care</b>	Good dimensional stability and removal of resin stains. Little susceptibility to dirt with dark colour.	

## Certificates and declarations on social and environmental sustainability

The manufacturer provides evidence of the following certificates or makes the following declarations:

- [Amfori BSCI audited](#) (Highest rating at the production site Romania for social and environmental performance)
- [ISO 14001:2015](#) (Environmental Management System)
- [ISO 45001](#) (Occupational Safety and Health Management)
- [ISO 9001:2015](#) (Quality Management System)
- [ISO 9004](#) (Self-assessment for sustainable success)
- [ISO/TR 30406 guideline](#) (Sustainable employment conditions)
- [ISO 26000:2010](#) (Social responsibility)
- [REACH compliant](#) (registration, evaluation, permissibility and restriction of chemical substances)
- [Standard 100 by Oeko-Tex certified](#) (Sioen clothing: No harmful substances)
- [SteP by Oeko-Tex® certified](#) (highest classification for sustainable textile production)
- [UN Global Compact](#) (compliance with UN standards on human rights, labour, environment and anti-corruption)
- [Wrap Gold](#) (Worldwide production accredited as responsible)
- [All our suppliers](#) (All suppliers committed to social responsibility)
- [ISO 50001](#) (Improved origin and use of energy)

These and other certificates from the manufacturer can be found at

<https://csr.sioen.com/en/approach/certificates-memberships>

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**This report is based on practical tests and measurements carried out by professional users according to the specifications of the Expert Committee on personal protective equipment of KWF e.V.**

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KWF Services GmbH

**Approval until     Februar 2028**

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