

TEST REPORT

Cut Protection trouser "Samourai"



Owner of the test certificate

Sioen N.V.

Fabriekstraat 23

8850 Ardoonie

Belgium

Tel.: +32 (0)51 740 800

Fax: +32 (0)51 740 963

E-mail: corporate@sioen.be

Internet: www.sip-protection.com



KWF-Utility Value Approval:

June 2022

Valid for: 5 years

(extension possible)

First approval: 2012

Test-No. 6363a

SHORT DESCRIPTION

Trousers:

Material	With CE-approved saw protection in classic trouser form upper fabric 86 % polyamide and 14 % Elasthane, lining 65% PE, 35 % cotton and 45 % PET, 35% PP and 20% PE, washable at 40°C
Weight	approx. 1607 g (size L 52/54)
Type and description pockets	tough saw protection trousers, 2 hip pockets, 1 upper thigh and 1 back pocket, 2 rule pockets - very comfortable trousers due to use of bi-elastic high-tech fabrics on the rear side - Kevlar knee protection, - tough fabric (RipStop) on lower leg, - additional upper thigh ventilation and seat cushion - mesh lining.

The trouser can be combined with the jacket for forest worker "Samourai", test number 6363b.

Cut protection:

Trousers form A, protection class 1, tested by Centexbel, Belgium

Construction	6-Layered cut protection, saw protection fabric
Mode of action	braking and blocking

OVERALL EVALUATION

Evaluation results from the test 2011 and a second test 2017

Application field:

All-year forest work, especially with chainsaw.

For the field test, the trousers were worn for 394 days at each test station and additional 469 days in a previous test.

	Test item	Overall evaluation
Trousers	Comfort	+
	Durability	+/++
	Features	+
	Care	+/++
Overall rating trousers:		good

++ = excellent; + = good; o = satisfactory; - = adequate; - - = inadequate

CHARACTERISTIC FROM THE PRACTICAL FIELD TEST

„Trouser comfortable for spring and autumn“

The chainsaw protective trouser Samourai is described by the testers as cooler and more pleasant than a trouser to be used mainly in the winter time; but it is bit too warm for a summer pants, or the ventilation is not quite sufficient. The Trouser provides a comfortable fit and freedom of movement and good durability.

INDIVIDUAL RESULTS FROM THE PRODUCT TEST:

Trousers	Results (+)	Results (-)
Comfort	The trouser was judged with a good fit, the fabric feels pleasant to the skin, the mobility is excellent due a high part of stretch-fabrics.	
Durability	"tough trousers and good workmanship", good zip fasteners	
Features	Good water repelling characteristics	Some ventilation opening (zippers) should be bigger.
Care	The trouser has a good colour and form stability.	

SUBSEQUENT APPROVAL OF THE HI-VIS VERSION:

On 07/10/2019 the HiVis version of the trousers Samourai, manufactured and certified according to EN ISO 20471:2013, class 2, was also KWF-Profi-approved. An examination of the reflective strips for their fastening and durability was not carried out.



CERTIFIKATES AND DEKLARATIONS ACCORDING TO SOCIAL AND EKOLOGICAL SUSTAINABILITY

The manufacturer can prove the following certificates, or emits the following declaration:

- The environmental management system of SIOEN is certified according to ISO 14001
- SIOEN's production plant in Rumania and Myanmar is certified according to the Öeko-Tex-Step-System (www.oeko-tex.com/step)
- The Occupational Health & Safety Management of the SIOEN production plants in Rumania and Myanmar is certified according to OHSAS 18001:2007
- SIOEN's production plant in Indonesia is certified according to the WRAP-compliance (<http://www.wrapcompliance.org/12-principles>)

Published by:

Published with funding from the Federal Ministry of Food and Agriculture on the basis of a resolution of the German Bundestag and by the Federal State Ministries of Forestry by

Kuratorium für Waldarbeit und Forsttechnik e. V.
Spremlberger Str. 1
64823 Groß-Umstadt
Tel. +49 6078/785-0
Fax +49 6078/785-39
E-Mail: lars.nick@kwf-online.de
Web: <http://www.kwf-online.de>

