

TEST REPORT

Waterproof working suit SIP Protection „KEUI“



Owner of test certificate

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Type of colour orange and high visible



Type of colour yellow/re



trouser



KWF- Utility Value Approval:
January 2022
Validity period: 5 years
(Extension possible)
First approval: 2017

Test No. 7716

SHORT DESCRIPTION

Material:	Jacket: 100% polyester, coating: polyurethane, mesh lining 100% polyester, in the sleeves: polyamide Pants: 100% polyester, coating: polyurethane, lining 100% polyester, waist mesh lining 100% polyester
Type and design:	waterproof jacket and pants; washable at 40°C.
type	Type tested waterproofing according to EN 343, class 3/3, High visibility clothing has got a examination by Centexbel, class 2 Colour: conspicuous signal orange; certified colour according to EN 20471; waterproof sealed seams, <u>Jacket</u> : good ergonomic fit; 1 small chest pocket, 2 side pockets and one inner pocket; all pockets with zips, zips with rubber seal; collar with integrated hood; mesh lining; large closable armpit ventilation slits and two small covered slits on back approx. 7 cm long; cuffs with Velcro fasteners. <u>Pants</u> : Waists with rubber draw string; very long leg zippers, nearly as long as the legs; no pockets or side access, mesh covered waist ventilation, reinforced front side. Size-range S-3XL (Hose) und XS-3XL (jacket)
Weight:	Jacket: 930 g (Size M), Pants: 610 g (size M)

OVERALL EVALUATION

Evaluation results from the test 2017

Application field:

All forestry work in wet conditions

Note: waterproof apparel is generally only suitable for short term use for time rate work or similar work. Continuous wearing of such clothing usually leads to strong, mostly unacceptable thermal stress.
The durability of the reflective stripes of the High-Visible jacket was not tested.

Test item		Overall evaluation
Jacket	Comfort	+
	Durability	+/++
	Features	+
	Care	+/++
Overall rating Jacket:		good
Pants	Comfort	+
	Durability	+/++
	Features	+
	Care	++/+
Overall rating pants:		good

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

CHARACTERISTICS FROM THE FIELD TEST

Waterproof apparel for cool temperatures

The waterproof suit KEUI combines up-to-date material technology with relatively high breathability. The strong points of the suit are water resistance, feel of the fabric against the skin and freedom of movement. The extremely long leg zippers make these pants easy to use as an outer shell. The suit was rated very comfortable for cold weather. The ventilation must be improved for warm weather use.

INDIVIDUAL COMMENTS FROM THE PRODUCT TEST:

Jacket	Comments (+)	Comments (-)
Comfort	Good armpit ventilation zippers. The fit of the jacket is good and test persons also praised the low weight of the jacket. Freedom of movement and the feel of the fabric against the skin were also rated very good. The jacket is completely waterproof. The test persons recommended purchasing one size larger than normal.	The integrated hood makes the collar somewhat stiff. Moderate wicking properties.
Durability	No recognizable wear and tear noted during the test period.	
Features	Large and highly visible signal colour patches, lining does not stick to skin.	The pockets are rather small and access with large hands is difficult.
Care	The jacket was rated easy to care for, dirt can be removed quite easily, form retention is good.	

Hose	Comments (+)	Comments (-)
Comfort	Weight and comfort in cold weather achieved the highest single rating in this test. The feel of the pants was rated pleasant.	
Durability	The pants proved to be very tough even in thorny terrain (blackberries).	The waist drawstring especially the clasp proved to be less than durable. Braces are not available.
Features	The very long leg zippers facilitates pulling the pants on. Very good to wear over work apparel, however somewhat narrow over cut protection pants.	No pockets or access slits.
Care	The dark colour masks dirt quite well. Form and colour stability is good.	

CERTIFIKATES AND DEKLARATIONS ACCORDING TO SOCIAL AND ECOLOGICAL SUSTAINABILITY

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

- SIOEN's environmental management system is certified according to ISO 14001
- SIOEN's manufacturing in Myanmar and Romania are certified according to the Ökotex-Step system (www.oeko-tex.com/step)
- SIOEN's occupational health and safety management in Myanmar and Romania is certified according to HOSAS 18001:2007
- SIOEN's manufacturing in Indonesia is certified according to the WRAP system (<http://www.wrapcompliance.org/12-principles>)

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