



Textilní zkušební ústav

**TEXTILNÍ ZKUŠEBNÍ ÚSTAV, s.p.**  
(TEXTILE TESTING INSTITUTE)  
CERTIFICATION BODY FOR THE CERTIFICATION OF PRODUCTS  
VÁCLAVSKÁ 6, 658 41 BRNO

issues

Client: **ADLER Czech a.s.,**  
**Oblouková 391, Skorotice, 403 40 Ústí nad Labem, Czech Republic**

## **DOCUMENT ON PRODUCT ASSESSMENT AND TEST RESULTS ASSESSMENT**

No.: D 17/01

Product: **Protective clothing in simple design – with declared protection against mechanical risk, basic weather conditions and against soiling**

**1) Protective work clothing RIMECK RANGER**

Representative: **Work trousers RIMECK Ranger Man W03**  
Basic material: fabric 65% polyester/ 35% cotton  
Mass: 270 g.m<sup>-2</sup>, plain weave

**2) Protective work clothing RIMECK WOODY**


Representative: **Work trousers RIMECK Woody Man W01**  
Basic material: fabric 100% cotton  
Mass: 270 g.m<sup>-2</sup>, twill weave

Specification: • **Requirements and declaration of client.** Selected use and health parameters of materials were assessed in connection to the requirements on general level of quality (*dimensional changes after washing, tensile strength, tear strength, abrasion resistance and health parameters*)  
in connection to the requirements:  
• **EN ISO 13688:2013 Protective clothing - General requirements**

Conclusions: **Both types of protective work clothing RANGER and WOODY have a good level of use and health parameters, clothing RANGER have a higher level of strength parameters.**  
**Both types of protective work clothing RANGER and WOODY meet the requirements on general level of quality with respect to the declared way of use.**

This Document was issued on the basis of the application COV/17/106 from 20.03.2017. Detailed test results and assessments are mentioned in the Annex No. 1 of this Document. The base for this testimonial is the Test report No. AZL 17/0422 from 19.04.2017, issued by the accredited test laboratory of TZÚ Brno.

Document issued by:

  
Ing. Svatava Horáčková  
Head of certification body

Document issued: 19.04.2017  
Validity up to: 30.04.2019





Description of products (according to client declaration):

**1) Protective work clothing RIMECK RANGER**

Representative: **Work trousers RIMECK Ranger Man W03**

Basic material: fabric 65% polyester/ 35% cotton

Mass: 270 g.m<sup>-2</sup>, plain weave

**2) Protective work clothing RIMECK WOODY**

Representative: **Work trousers RIMECK Woody Man W01**

Basic material: fabric 100% cotton

Mass: 270 g.m<sup>-2</sup>, twill weave

Protective clothing submitted by client was assessed in selected use and health parameters. Assessment was performed with respect to the requirements on general level of quality and with respect to the declared way of use – simple design protective clothing. Client declares protection against mechanical risk, basic weather conditions and against soiling.

Representative samples were assessed – two pieces of trousers. Test results and their assessment are mentioned in the Table No. 1.

Table No. 1: Assessed parameters – test results and assessment

Parameter	Test method	Measuring unit	Value required (general level of quality)	Value identified		Assessment
				RANGER	WOODY	
<i>Use parameters</i>						
Mass per unit area	EN ISO 12127	g.m <sup>-2</sup>	declaration 270	279 (+3,3%)	289 (+7,0%)	M / M
Dimensional changes <sup> + **</sup> - after 5 cycles of washing 40 °C (Ranger) / 60 °C (Woody) - warp/ weft	EN ISO 6330	%	max. ± 3	-1,4 / 0	-0,7 / -1,6	M / M
Tensile strength - warp/ weft	EN ISO 13934-1	N	min. 450	1418 / 662	978 / 450	M / M
Tear strength - warp/ weft	EN ISO 13937-2	N	min. 20	41,8 / 45,5	29,4 / 25,1	M / M
Abrasion resistance - Martindale	EN ISO 12947-2	cycles (until rupture)	min. 40 000	50 000	55 000	M / M
<i>Health parameters<sup> +</sup></i>						
Formaldehyde content	EN ISO 14184-1	mg.kg <sup>-1</sup>	max.75	meet **	meet **	M / M
Azo-dyes content	EN ISO 14362-1	ppm	max. 30	meet **	meet **	M / M
pH of aqueous solution	EN ISO 3071	-	3,5 - 9,5	meet **	meet **	M / M

Legend: M - requirements of EN ISO 13688 (parameters marked <sup>+</sup>) are met, requirements for general level of quality are met (with respect to declared way of use)

\* - washed by client

\*\* - test results included in Certificate Oeko-Tex Standard 100 (No. 67150, issued by OETI Vienna)



dler<sup>®</sup>