

TECHNICAL SHEET

VELTEN - trousers

Description

- 2 back pockets with zip closure,
- 2 lateral pockets closed with zip,
- 2 wide front pockets with zip,
- abrasion resistant fabric in the areas particularly subjected to stress,
- D-Ring,
- · elasticated waist,
- high back waist,
- knee and leg ergonomic design,
- stretch fabric





Back



abrasion resistant fabric in the areas particularly subjected to stress (knees and outer leg)



Materials and technologies



SKINNY FIT

Work trousers become "young" thanks to slim-fitting and tight wearability.



BREATHABILITY IS GUARANTEED

The breathability of VELTEN trousers is similar to the breathability of garments made of polyester/cotton and 100% cotton which are the most common on the market.

ELASTIC FABRIC IN 4 DIRECTIONS

The garments is made of elasticated fabric in four directions for maximum freedom of movement and a perfect wearability. The weave of nylon with elastane guarantees excellent performance in terms of resistance, durability, shape recovery and reduced tendency to crease.



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Performance e plus	NON METAL DETECTABLE					
Maintenance	Maximum wash temperature: 40 °C; Do not bleach; Tumble drying possible - Drying at lower temperature; Ironing at low temperature (max 110 °C) Dry clean with solvents on point F plus Tetrachloroethylene.	Item Standards:	V621-0-02 Navy/black/royal V621-0-03 Clay brown/black V621-0-04 Clay brown/black/orange V621-0-05 Clay brown/black/lime V621-0-06 Anthracite/black/orange V621-0-07 Black/lime EN ISO 13688:2013			
		Sizes	STANDARD 100 44 – 64			

SAFETY TECHNICAL SPECIFICATIONS

	Test method	Description	Cofra result	Minimum requirement / range
Background fabric	EN ISO 1833-1977, SECTION 10	Composition:	94% nylon 6% elastane	
	EN ISO 12127:1996	Fabric mass per unit area	250 g/m ²	
	EN ISO 13688:2013 5.3 (EN ISO 6630 / ISO 5077)	Dimensional change (40°C)	warp: -1.2% weft: -0.7%	±3%
	ISO 105-C06	Colour fastness to Laundering at 40°C		1 - 5
		Colour change Staining:	4-5	
		diacetate	4-5	
		cotton	4-5	
		nylon	4-5	
		polyester	4-5	
		acrylic	4-5	
		wool	4-5	
	ISO 105 D01	Colour fastness to to dry cleaning		1 - 5
		Colour change Staining:	4-5	
		diacetate	4-5	
		cotton	4-5	
		nylon	4-5	
		polyester	4-5	
		acrylic	4-5	
		wool	4-5	
	EN ISO 105-X11	Colour fastness to hot pressing (110°C);		1-5
		Colour change	Dry: 4-5	
			Wet: 4-5	

Made by Workwear Technical Dept.

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	100 100 501	Colour footnoon to normiration		A.II II.	
	ISO 105 E04	Colour fastness to perspiration	Acidic	Alkaline	1 - 5
		Colour change	4-5	4-5	7-5
		Staining: diacetate	4-5	4-5	
		cotton	4-5 4-5	4-5 4-5	
			4-5 4-5	4-5 4-5	
		nylon polyester	4-5 4-5	4-5 4-5	
		acrylic	4-5	4-5	
		wool	4-5	4-5	
		11001	. 0	. 0	
	ISO 105-B02	Colour fastness to light			1 - 5
		Colour change	4		-
	ISO 105-X12	Colour fastness to rubbing	Dry: 4 - 5		1 - 5
			Wet: 4 - 5		
	EN ISO 13934-1	Tensile strength	warp: 1400 N		
		ronone on ongui	weft: 1300 N		
	EN ISO 13937-2	Tear strength	Warp:51 N		
			Weft: 88 N		
	ISO 12947-2	Determination of the abrasion resistance of fabrics by the Martindale	>30000 cycles		
	ASTM D3107-07	Standard Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns			
		Elongation (4lbf / 30 min.)	Warp : 26% Weft : 22%		
		Recovery of elongation	Warp : 92.7%		
			Weft: 91.5%		
	EN 31092	Water vapour resistance R _{et} [m ² Pa/W]	$R_{et} = 5.65 [m^2 Pa]$	/W]	
Abrasion resistant inserts	EN ISO 1833-1977, SECTION 10	Composition:	100% nylon		
	EN ISO 12127	Fabric mass per unit area	270 g/m ²		
VELTEN	(EN ISO 13935-2	Determination of maximum force to seam rupture using the grab method	Warp : 393 N Weft : 387 N		≥ 200 N