






**VELTEN – trousers**

<p><b>Description</b></p>	<ul style="list-style-type: none"> <li>• 2 back pockets with zip closure,</li> <li>• 2 lateral pockets closed with zip,</li> <li>• 2 wide front pockets with zip,</li> <li>• abrasion resistant fabric in the areas particularly subjected to stress,</li> <li>• D-Ring,</li> <li>• elasticated waist,</li> <li>• high back waist,</li> <li>• knee and leg ergonomic design,</li> <li>• stretch fabric</li> </ul>	
	 <p><b>Back</b></p> <p><i>abrasion resistant fabric in the areas particularly subjected to stress (knees and outer leg)</i></p>	

<p><b>Materials and technologies</b></p>	 <p><b>SKINNY FIT</b> Work trousers become "young" thanks to slim-fitting and tight wearability.</p>  <p><b>BREATHABILITY IS GUARANTEED</b> 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.</p> <p><b>ELASTIC FABRIC IN 4 DIRECTIONS</b> 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.</p>
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<b>Performance e plus</b>	 <b>NON METAL DETECTABLE</b>		
<b>Maintenance</b>	<p>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.</p> 	<b>Item</b>	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
		<b>Standards:</b>	EN ISO 13688:2013 
		<b>Sizes</b>	44 – 64

**SAFETY TECHNICAL SPECIFICATIONS**

	<i>Test method</i>	<i>Description</i>	<i>Cofra result</i>	<i>Minimum requirement / range</i>	
<b>Background fabric</b>	EN ISO 1833-1977, SECTION 10	Composition:	94% nylon 6% elastane		
	EN ISO 12127:1996	Fabric mass per unit area	250 g/m <sup>2</sup>		
	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	<i>Colour change</i>	4-5	1 - 5
			<i>Staining:</i>		
			diacetate	4-5	
			cotton	4-5	
			nylon	4-5	
			polyester	4-5	
			acrylic	4-5	
ISO 105 D01	Colour fastness to to dry cleaning	<i>Colour change</i>	4-5	1 - 5	
		<i>Staining:</i>			
		diacetate	4-5		
		cotton	4-5		
		nylon	4-5		
		polyester	4-5		
		acrylic	4-5		
EN ISO 105-X11	Colour fastness to hot pressing (110°C);	<i>Colour change</i>	Dry: 4-5 Wet: 4-5	1-5	

	ISO 105 E04	Colour fastness to perspiration <i>Colour change</i> <i>Staining:</i> diacetate cotton nylon polyester acrylic wool	Acidic 4-5 4-5 4-5 4-5 4-5 4-5 4-5	Alkaline 4-5 4-5 4-5 4-5 4-5 4-5	1 - 5
	ISO 105-B02	Colour fastness to light <i>Colour change</i>	4		1 - 5
	ISO 105-X12	Colour fastness to rubbing	Dry: 4 - 5 Wet: 4 - 5		1 - 5
	EN ISO 13934-1	Tensile strength	warp: 1400 N 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.) Recovery of elongation	Warp : 26% Weft : 22% 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]		
<b>Abrasion resistant inserts</b>	EN ISO 1833-1977, SECTION 10	Composition:	100% nylon		
	EN ISO 12127	Fabric mass per unit area	270 g/m <sup>2</sup>		
<b>VELTEN</b>	(EN ISO 13935-2)	Determination of maximum force to seam rupture using the grab method	Warp : 393 N Weft : 387 N		≥ 200 N