

ZIVAT – waistcoat

Description	<ul style="list-style-type: none"> • 1 internal mobile phone pocket, • 1 internal pocket with zip, • 2 pockets on the bottom with zip and with internal removable cartridge , • 2 wide front pockets with zip, • anti-abrasion inserts on the shoulders, • central opening with double slider zip, • D-Ring, • net lining, • quilted front supports, • radio pocket on the breast, • wide back waterproof pocket closed by zip. 		
Maintenance	<p>Maximum wash temperature: 30 °C; Do not bleach; Dry clean with solvents on point F plus Tetrachloroethylene; Tumble drying possible drying at lower temperature; Do not iron.</p> <div>      </div>	Item Standards: Sizes	V542-0-04 clay brown/orange V542-0-08 clay brown/brown EN ISO 13688:2013 S - 4XL

SAFETY TECHNICAL SPECIFICATIONS

	Test method	Description	Cofra result	Minimum requirement / range
Background fabric	EN ISO 1833-1977, SECTION 10	Composition:	100% polyester (300D) + COFRA-TEX membrane (TPU membrane Thermoplastic Polyurethane)	
	EN ISO 12127:1996	Fabric mass per unit area	200±5% g/m ²	
	EN ISO 13688:2013 5.3 (ISO 5077)	Dimensional change (30°C)	warp: -0.2% weft: -0.1%	±3%
	ISO 105-X12	Colour fastness to rubbing <i>Staining:</i>	Dry: 4	1-5
	ISO 105-B02	Colour fastness to light <i>Colour change</i>	5	1-5
	ISO 105-C06	Colour fastness to Laundering at 40°C		1 - 5
		<i>Colour change</i>	4-5	
		<i>Staining:</i>		
		diacetate	4-5	
		cotton	4-5	
		nylon	4	
		polyester	4-5	
		acrylic	4-5	
		wool	4-5	

	EN ISO 105 E04	Colour fastness to perspiration			
		<i>Colour change</i>	4-5	4-5	1 - 5
		<i>Staining:</i>			
		diacetate	4-5	4-5	
		cotton	4-5	4-5	
		nylon	4-5	4-5	
		polyester	4-5	4-5	
		acrylic	4-5	4-5	
		wool	4-5	4-5	
	ISO 12947-2	Determination of the abrasion resistance of fabrics by the Martindale method	>50000 cycles		
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - Wp [Pa] (before each pretreatment)	Wp =9123 mmH ₂ O	CLASS 1 CLASS 2 CLASS 3	Wp ≥ 8000 Pa no test required no test required
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - Wp [Pa] (after each pretreatment)	Class 3 Wp> 13000 Pa	CLASS 1 CLASS 2 CLASS 3	no test required Wp ≥ 8.000 Pa Wp ≥ 13.000 Pa
	EN 343:2003+A1:2007 4.3 (EN 31092)	Water vapour resistance Ret [m ² Pa/W]	Class 3 Ret = 8.62 [m ² Pa/W]	CLASS 1 CLASS 2 CLASS 3	R _{et} > 40 20 < R _{et} < 40 R _{et} <20
	EN 343:2003+A1:2007 4.4 (ISO 1421)	Tensile strength	warp: 1300 N weft: 1300 N		>450 N
	EN 343:2003+A1:2007 4.5 (ISO 4674-1)	Tear resistance of coated or laminated fabrics	warp: 67 N weft: 63 N		>25 N
Abrasion Resistant Fabric	EN ISO 1833-1977, SECTION 10	Composition:	100% polyester (450D) + COFRA-TEX membrane (TPU membrane Thermoplastic Polyurethane)		
	EN ISO 12127:1996	Fabric mass per unit area	230±5% g/m ²		
	EN ISO 13688:2013 4.2 (EN 14362-1)	Search of the aromatic and carcinogenic amines	Not recording		≤30 ppm
	EN ISO 13688:2013 4.2 (ISO 3071)	The pH's determination from the watery extract	pH=6.8		3,5 ≤pH≤ 9,5
	EN ISO 13688:2013 5.3 (ISO 5077)	Dimensional change (30°C)	warp: -0.7% weft: -0.1%		±3%
	ISO 105-C06	Colour fastness to Laundering at 40°C			1 - 5
		<i>Colour change</i>	4-5		
		<i>Staining:</i>			
		diacetate	4-5		
		cotton	4-5		
		nylon	4-5		
		polyester	4-5		
		acrylic	4-5		
		wool	4-5		

	ISO 105 D01	Colour fastness 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		
		wool	4-5		
	ISO 105-X12	Colour fastness to rubbing			1 - 5
		<i>Staining:</i>	4 - 5		
	ISO 105-B02	Colour fastness to light			1 - 5
		<i>Colour change</i>	4		
	EN ISO 105 E04	Colour fastness to perspiration			1 - 5
		<i>Colour change</i>	4-5	4-5	
		<i>Staining:</i>			
		diacetate	4-5	4-5	
		cotton	4-5	4-5	
		nylon	4-5	4-5	
		polyester	4-5	4-5	
		acrylic	4-5	4-5	
		wool	4-5	4-5	
	ISO 12947-2	Determination of the abrasion resistance of fabrics by the Martindale method	>10000 cycles		
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - Wp [Pa] (before each pretreatment)	Wp > 13000 Pa	CLASS 1 CLASS 2 CLASS 3	Wp ≥ 8000 Pa no test required no test required
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - Wp [Pa] (after each pretreatment)	Class 3 Wp > 13000 Pa	CLASS 1 CLASS 2 CLASS 3	no test required Wp ≥ 8.000 Pa Wp ≥ 13.000 Pa
	EN 343:2003+A1:2007 4.3 (EN 31092)	Water vapour resistance Ret [m ² Pa/W]	Class 2 Ret = 29.8 [m ² Pa/W]	CLASS 1 CLASS 2 CLASS 3	Ret > 40 20 < Ret < 40 Ret < 20
	EN 343:2003+A1:2007 4.4 (ISO 1421)	Tensile strength	warp: 1773 N weft: 1498 N		>450 N
	EN 343:2003+A1:2007 4.5 (ISO 4674-1)	Tear resistance of coated or laminated fabrics	warp: 204 N weft: 210 N		>25 N
Lining	EN ISO 1833-1977, SECTION 10	Composition:	100% polyester		