COFRA BORN TO WORK

TECHNICAL SHEET

NAMSOS – *padded jacket*

Description	• 2 wide front pockets with velcro, • adjustable cuff with velcro, • adjustable foldaway hood, • adjustable waist with coulisse, • badge pocket loop, • front opening with double slider zip, • internal pocket with zip, • thermo welded seams.
Maintenance	Maximum washing temperature 30 °C; Do not bleach; Do not dry in a tumble dryer; Drying in the shade; Do not iron; Do not dry clean.

Item	V543-0-03 yellow / navy

Standards : EN ISO 13688:2013

EN ISO 20471:2013/A1:2016

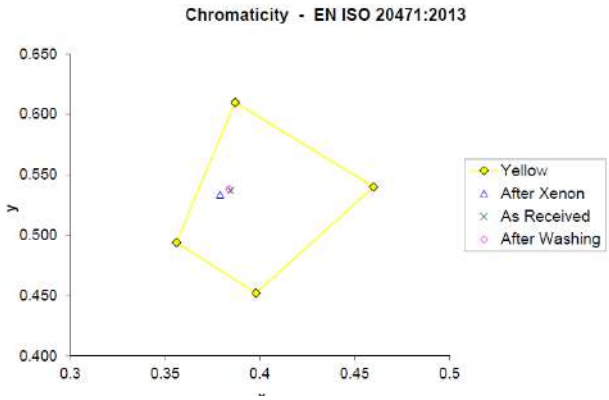
EN 343:2003+A1:2007

Sizes	S – 4XL

SAFETY TECHNICAL SPECIFICATIONS

	Test method	*description*	*Cofra result*	*Minimum requirement / range*
Background fabric	EN ISO 1833-1977, SECTION 10	Composition	100% polyester coated polyurethane 300Dx300D	
	EN ISO 12127:1996	Fabric mass per unit area	175 g/mq	
	EN ISO 13688:2013 4.2 (ISO 3071)	Determination of pH of aqueous extract	pH=6.6	*3,5 ≤pH≤ 9,5*
	EN ISO 13688 :2013 4.2 (EN 14362-1)	Search of the aromatic and carcinogenic amines	Not recording	*≤30 ppm*

EN ISO 20471:2013/A1:2016 5.1 5.2 7.5.1	- Chromaticity and luminance of new material - Chromaticity and luminance after Xenon test - Chromaticity and luminance after 25 washes cycles	*x = 0.384 y= 0.538* *β_{min} = 1.12* *x = 0.385 y= 0.535* *β_{min} = 1.10* *x = 0.3877 y= 0.530* *β_{min} = 1.05*	*co-ord x* *0.387* *0.356* *0.398* *0.460*	*co-ord y* *0.610* *0,494* *0,452* *0,540*
			Minimum Luminance Factor	*β_{min} > 0.7*



EN ISO 20471:2013/A1:2016 5.3.1 (ISO 105-X12)	Colour fastness to rubbing Staining	Dry: 5		*DRY:* Staining *4*
EN ISO 20471:2013/A1:2016 5.3.2 (ISO 105-E04)	Colour fastness to perspiration *Colour change* *Staining*: diacetate cotton nylon polyester acrylic wool	Acidic 5 5 5 4-5 5 5 4-5	Alkaline 5 4 4-5 4 4-5 4-5 4-5	 *Colour change: 4* *Staining*: 4
EN ISO 20471:2013/A1:2016 5.3.3 (ISO 105-C06)	Colour fastness to Laundering at 40°C *Colour change* *Staining*: diacetate cotton nylon polyester acrylic wool	 5 4-5 5 4 4-5 5 4-5		 *Colour change: 4-5* *Staining*: 4
EN ISO 20471:2013/A1:2016 5.4.1 (ISO 5077)	Dimensional change to washing	warp: -0.5% weft: -0.0%		*±3%*
EN ISO 20471:2013/A1:2016 5.5.3 (ISO 1421, Method 1)	Tensile strength of coated or laminated fabric	warp: 1278 N weft: 1144 N		*>100N*
EN ISO 20471:2013/A1:2016 5.5.3 (ISO 4674-1, Method A)	Tear resistance of coated or laminated fabrics	warp: 85 N weft: 81 N		*>20N*

Non fluorescent fabric	EN ISO 13688:2013 4.2 (ISO 3071)	Determination of pH of aqueous extract	pH=6.8		*3,5 ≤pH≤ 9,5*
	EN ISO 13688 :2013 4.2 (EN 14362-1)	Search of the aromatic and carcinogenic amines	Not recording		*≤30 ppm*
	EN ISO 20471:2013/A1:2016 5.3.1 (ISO 105-X12)	Colour fastness to rubbing *Staining:*	DRY: 5		*DRY* *Staining: 4*
	EN ISO 20471:2013/A1:2016 5.3.2 (ISO 105-E04)	Colour fastness to perspiration	Acidic	Alkaline	
		Colour change	5	5	
		Staining			*Staining: 4*
		diacetate	4-5	5	
		cotton	4-5	5	
		nylon	4-5	5	
		polyester	5	5	
		acrylic	5	5	
		wool	5	5	
	EN ISO 20471:2013/A1:2016 5.3.3 (ISO 105-C06)	Colour fastness to Laundering at 40°C			
		Colour change	5		
		Staining			*Staining: 4*
		diacetate	4-5		
		cotton	4-5		
		nylon	4-5		
		polyester	4-5		
		acrylic	4-5		
		wool	4-5		
Reflex *D 1002*	EN ISO 20471:2013/A1:2016 6.1	Retro reflective performance requirements of new material	PASS		
	EN ISO 20471:2013/A1:2016 6.2	Requirements of retro reflective performance after tests for abrasion, flexion, folding at cold temperature, temperature variations, washing (25 cycles ISO 6330 at 60°C) and rain influence.	PASS		*R´ ≥100 cd/(lx m²)*
Padding	EN ISO 1833-1977, SECTION 10	Composition	100% polyester		
	EN ISO 12127:1996	Fabric mass per unit area	160 g/mq		
Lining	EN ISO 1833-1977, SECTION 10	Composition	100% polyester		
	EN ISO 12127:1996	Fabric mass per unit area	55 g/mq		

NAMSOS	EN ISO 20471:2013/A1:2016 4.1 * At least (50±10)% of the minimum area of visible background material shall be on the front part of garments	Minimum required areas of visible material in m² Size S	Class 3 Background material 0.86 m^2 Background material front part 0.42 m_2 Background material back part 0.44 m_2 Retro reflective material 0.23 m^2 * Maximum areas for logos, lettering, labels, etc. 0.06 m^2	*Background material* *CLASS 3 = 0.80m^2* *CLASS 2 = 0.50m^2* *CLASS 1 = 0.14m^2* *Retro reflective material* *CLASS 3 = 0.20 m^2* *CLASS 2 = 0.13 m^2* *CLASS 1 = 0.10 m^2*
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - Wp [Pa] (before each pretreatment)	Wp > 8000 Pa	*CLASS 1 Wp ≥ 8000 Pa* *CLASS 2 no test required* *CLASS 3 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 no test required* *CLASS 2 Wp ≥ 8.000 Pa* *CLASS 3 Wp ≥ 13.000 Pa*
	EN 343:2003+A1:2007 4.3 (EN 31092)	Water vapour resistance R_{et} [m^2 Pa/W]	Class 1 R_{et} = 106.8 [m^2 Pa/W]	*CLASS 1 $R_{et} > 40$* *CLASS 2 $20 < R_{et} < 40$* *CLASS 3 $R_{et} < 20$*
	EN 343:2003+A1:2007 4.7 (EN ISO 13935-2)	Determination of maximum force to seam rupture using the grab method	320N	*225N*