

### 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. V543-0-02 orange / navy Item Maintenance Maximum washing temperature 30 °C; Do not bleach; Do not Standards : EN ISO 13688:2013 dry in a tumble dryer; Drying in the shade; Do not iron; Do not dry clean. 3 (25 WASHES) $\boxtimes$ EN 343:2003+A1:2007 EN ISO 20471:2013/A1:2016 WARNING: DO NOT IRON THE REFLEX INSERTS! **OEKO-TEX**® GO/RT 3279 STANDARD 100 only for orange Tested for harmful substances ww.oeko-tex.com/standard10 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=6.9	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

Made by Workwear Technical Dept.

 Version 1.0
 Drafts, rules, tables, data, directives and others informations here contained or attached to this document, are owned only by Cofra s.r.l. and must not be given or disclosed to any third party. It shall be prohibited to give, to share and to copy data contained in this notice and its relative attached documents by any subject different from the recipient according to both Article 616 of Penal Code and Personal Data Protection Code (Italian Legislative Degree n. 196/2003). According to Article 98 and Article 99 of C.P.I. Vofra s.r.l will act through civil, administrative, or penal sanctions in respect of perpetrators in deference to articles 1 2 4 and successive ones of C.P.I. has its registered office



EN ISO 20471:2013/A1:2016	- Chromaticity and luminance of new	x = 0.5	91 y= 0.364	co-ord x co-ord	
5.1	material	$\beta_{min} = 0$	0.55	0.610 0.39	
5.2	- Chromaticity and luminance after	x = 0.5	62 y= 0.371	0.535 0.37	
7.5.1	Xenon test	$\beta_{min} = 0$	0.58	0.570 0.34	
			91 y= 0.364	0.655 0.34	
	- Chromaticity and luminance after 25 washes cycles		-	Minimum Luminance F β <sub>min</sub> > 0.4	
			Chromaticity - ISO 20471:2013		
	(	0.400	enrenderen	Orange	
	(	0.390 -		△ As Rec	
	(	0.380 -		× After X	
	(	0.370 -	×	◇ After Washin	
	>	0.360 -	▲		
	(	0.350 -	$\backslash$	$\backslash$	
	(	0.340 -			
	(	0.330	· · · · ·		
		0.500	0.550 0.600 x	0.650 0.700	
Railway Group Standard	- Chromaticity and luminance before	x = 0.5	91 y= 0.364	co-ord x co-ord	
GO/RT3279	the test	$\beta_{min} = 0$	0.55	0.610 0.3	
A.2				0.560 0.38	
				0.585 0.35	
				0.640 0.34	
				Minimum Luminance F	
				$\beta_{min} > 0.4$	
EN ISO 20471:2013/A1:2016	Colour fastness to rubbing	Dry:		Dry:	
5.3.1	Staining	5		Staining 4	
(ISO 105-X12)					
EN ISO 20471:2013/A1:2016	Colour fastness to perspiration	Acidic	Alkaline		
5.3.2	Colour change	5	5	Colour change: 4	
(ISO 105-E04)	Staining:			Staining: 4	
	diacetate	5	5		
	cotton	5	5		
	nylon	4-5	4-5		
	polyester	5	5		
		5	5		
	acrylic	-	_		
	wool	5	5		
	wool Colour fastness to Laundering at 40°	C	5		
5.3.3	wool Colour fastness to Laundering at 40°0 <i>Colour change</i>		5	Colour change: 4-	
EN ISO 20471:2013/A1:2016 5.3.3 (ISO 105-C06)	wool Colour fastness to Laundering at 40°0 <i>Colour change</i> S <i>taining</i> :	C 5	5	Colour change: 4- Staining: 4	
5.3.3	wool Colour fastness to Laundering at 40°0 <i>Colour change</i> <i>Staining</i> : diacetate	C 5 4-5	5	-	
5.3.3	wool Colour fastness to Laundering at 40°0 <i>Colour change</i> S <i>taining</i> :	C 5	5	-	
5.3.3	wool Colour fastness to Laundering at 40°0 <i>Colour change</i> <i>Staining</i> : diacetate	C 5 4-5	5	-	
5.3.3	wool Colour fastness to Laundering at 40°0 <i>Colour change</i> <i>Staining</i> . diacetate cotton	C 5 4-5 5	5	-	
5.3.3	wool Colour fastness to Laundering at 40°C <i>Colour change</i> <i>Staining:</i> diacetate cotton nylon	C 5 4-5 5 4-5	5	-	

Made by Workwear Technical Dept.

Version 1.0 date 03/12/2018

Drafts, rules, tables, data, directives and others informations here contained or attached to this document, are owned only by Cofra s.r.l. and must not be given or disclosed to any third party. It shall be prohibited to give, to share and to copy data contained in this notice and its relative attached documents by any subject different from the recipient according to both Article 616 of Penal Code and Personal Data Protection Code (Italian Legislative Degree n.196/2003). According to Article 98 and Article 99 of C.P.I. (Dofra s.r.l.) will act through civil, administrative, or penal sanctions in respect of perpetrators in deference to articles 1 2 4 and successive ones of C.P.I. In case of dispute Italian exclusive jurisdiction will be apply as well as the competent court will be that one where Cofra s.r.l. has its registered office



	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 weft: 1144		>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 <i>pH</i> of aqueous extract	<i>рН=</i> 6.8		3,5 ≤pH≤ 9,5
	EN ISO 13688 :2013 4.2 (EN 14362-1)	Search of the aromatic and carcinogenic amines	Not recordir	ng	≤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	Colour fastness to perspiration	Acidic	Alkaline	
	(ISO 105-E04)	Colour change Staining	5	5	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	Colour fastness to Laundering at 40°C			
	5.3.3	Colour change	5		
	(ISO 105-C06)	Staining	-		
		diacetate	4-5		Staining: 4
		cotton	4-5		
		nylon	4-5		
		polyester	4-5		
		acrylic	4-5		
		wool	4-5		
<b>Reflex</b> 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)

Version 1.0 date 03/12/2018

Drafts, rules, tables, data, directives and others informations here contained or attached to this document, are owned only by Cofra s.r.l. and must not be given or disclosed to any third party. It shall be prohibited to give, to share and to copy data contained in this notice and its relative attached documents by any subject different from the recipient according to both Article 616 of Penal Code and Personal Data Protection Code (Italian Legislative Degree n.196/2003). According to Article 98 and Article 99 of C.P.I., Cofra s.r.l. will act through civil, administrative, or penal sanctions in respect of perpetrators in deference to articles 1 2 4 and successive ones of C.P.I. In case of dispute Italian exclusive jurisdiction will be apply as well as the competent court will be that one where Cofra s.r.l. has its registered office



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 m <sup>2</sup> Size S	Class 3 Background material 0.86 m <sup>2</sup> Background material front part 0.42 m <sub>2</sub> Background material back part 0.44 m <sub>2</sub> Retro reflective material 0.23 m <sup>2</sup> * Maximum areas for logos, lettering, labels, etc. 0.06 m <sup>2</sup>	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 <sub>et</sub> [m <sup>2</sup> Pa/W]	Class 1 R <sub>et</sub> = 106.8 [m <sup>2</sup> 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	

Drafts, rules, tables, data, directives and others informations here contained or attached to this document, are owned only by Cofra s.r.l. and must not be given or disclosed to any third party. It shall be prohibited to give, to share and to copy data contained in this notice and its relative attached documents by any subject different from the recipient according to both Article 616 of Penal Code and Personal Data Protection Code (Italian Legislative Degree n.196/2003). According to Article 98 and Article 99 of C.P.I. Cofra s.r.l. will act through civil, administrative, or penal sanctions in respect of perpetrators in deference to articles 1 2 4 and successive ones of C.P.I. In case of dispute Italian exclusive jurisdiction will be apply as well as the competent court will be that one where Cofra s.r.l. has its registered office