User instructions: 079900-079900E-079902E-079904E–Bib & Brace

PRODUCER	: ELKA Rainwear A/S, Navervej 22, DK-7451 Sunds
PRODUCT	: 079900-079900E-079902E-079904E PU Bib & Brace, size XS – 5XL
MATERIAL	: 100% Polyamide, Coating: Polyurethane
EN STANDARDS	: EN 14605:2005 + A1:2009 EN 343: 2019
CERT. NUMBER	: 0200-PPE-05141 Version 2
CERT. PROVIDER	**: 0200 FORCE Certification A/S, Park Allé 345, 2605 Brøndby**
DECLARATION OF CONFORMITY:	: https://www.elkarainwear.dk/en/about-elka/certifications-doc

EN 343 – Protection against foul weather

4
1 (Limited period of use, see table for recommended wearing time)
X

X: (Top) Resistance to water penetration class
Y: (Center) Water vapour resistance class
R: (Bottom) Readymade garment rain tower test, optional

Please note that there is a risk of heat stress, depending on the surrounding temperature and degree of physical activity of the user.

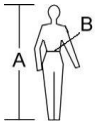
WARNING- Restricted wearing time according to the following table:

Temperature of working environment	25°C	20°C	15°C	10°C	5°C
Wearing time (min)	60	75	100	240	-

Before use of the garment please check for visible defects such as: Holes, cracks, damaged fastenings, discolouration or crackled surface areas. To avoid or minimize the amount of perspiration, we recommend the use of functional underwear underneath the garment.

Size table A: Height 170-190 cm

	XS	S	M	L	XL	2XL	3XL	4XL	5XL
B: Chest	70-77	78-85	86-93	94-101	102-109	110-117	118-125	126-133	134-141



EN ISO 13688

Please check that the size and model of the garment is correct before use.

EN14605 – Protective clothing against liquid chemicals

PB[4]

This PPE provides protection for the wearer when working with chemical substances. The standard lists performance requirements for clothing with liquid-tight (Type 3) or spray tight (Type 4) connections, including items providing protection to parts of the body only - Type PB [3] and PB [4].

INSTRUCTIONS:

To achieve the best possible protection, the following instructions must be followed precisely. For maximum protection please read the product information for this product as well as other personal protection equipment used with this garment carefully. This can include eg. jacket, trousers, boots, gloves and facial mask. User must be aware that any area of the body not covered by ELKA Cleaning garments or other PPE is not protected. Liquids may penetrate the garment if it is not covered by boots or gloves.

Mechanical properties of the material
Ex..2/6 - the first figure shows class achieved - the second figure the highest class in the test

Resistance to wear	6/6
Blocking	5/6
Flex cracking resistance	6/6
Puncture resistance	3/6
Tensile strength	4/6
Seam strength	5/6

Class table for chemical penetration

Class	1	2	3	4	5	6
Time/min	10	30	60	120	240	480

1.	Acetone	1	13.	Sulphuric acid 20%	6
2.	Acetonitrile	1	14.	Sulphuric acid 40%	6
3.	Dichlormethane	1	15.	Sulphuric acid 95%	1
4.	Diethylamine	<0,5 MIN	16.	Hydrochloric (min.37%)	3
5.	Ethylacetate	1	17.	Nitric acid	2
6.	Hexane	1	18.	Acetic acid	6
7.	Methanol	1	27	Sulphuric acid 30%	6
28	Butan 1-ol	1	Oils:		
Aromatic Solvents:			22.	Machine-oil	6
8.	Nitrobenzene	<1,5 MIN			
9.	Toluene	<0,7 MIN	Other Products:		
29	Xylen	< 5 min	23.	Hydrogen Peroxid H202 50%	6
Bases:			24.	Sodiumhypochlorite	6
10.	Sodiumhydroxid 10% w/w	6	25.	Anionic detergents	6
11.	Sodiumhydroxid 40% w/w	6	26.	Kationic detergents	6
12.	Ammoniak aq 25%	6			

General use and maintenance
Selection of appropriate PPE workwear should be determined by specific criteria related to individual job requirements. The choice of protective workwear is a compromise between protection or safety factors, and other important criteria such as durability, comfort, appearance and cost. Purchasers must determine the relative importance of each of these criteria before the optimum combination of fabric/garment properties can be determined for a specific job.

Storage: Do NOT store in places subject to direct strong sunlight, as product may deteriorate. If the garment becomes wet allow to dry at room temperature before storing. To achieve the best possible protection, the following instructions must be followed precisely. For maximum protection please read the product information for this product, as well as other personal protection equipment used with this garment carefully. This can include e.g. jacket, trousers, boots and gloves. Only wear garments of suitable size and always check garment for flaws, holes etc. before use.

Maintenance: Durability of garments is dependent on use and wash methods. Fabric – when stored in proper conditions (10 – 25°) – durability will remain for a minimum of 3 years. If washing instructions are not followed, the garment properties can be changed or disappear. Damaged garments should not be repaired but replaced with new ones. The garment does not become obsolete but deteriorates after wear and tear. Dispose of this garment appropriately at the end of its life – textile materials may be re-cycled.



The test results for certified properties were made after 5 washing and drying cycles. No impairments of appearance and function were noted.

To keep product functions, the following is recommended:
- Regular change of clothes can prevent dirt and filth from fixating to garment.
- Dirty garments shall not be stored, but washed immediately with fat-soluble detergents, and be rinsed properly.
- Garments shall not be soaked and shall be washed separately.
- Detergents for colored wash are recommended for home washing.
- Do not use detergents that contain organic soap or bleaching agent.
- Detergents with perborates will affect color and reduce reflective properties.
- Detergents with chlorine will affect and reduce antiflame properties and color.
- Avoid over drying. Exposure to excessive drying temperatures will result in higher than normal shrinkage.
- In storage, garments should be kept in a dry, dark and airy room.

WARNING: Dirty clothing may lead to a reduction in protection and if at any time this garment is un-recoverably damaged, soiled or contaminated, it should be replaced immediately