BEESWIFT LTD.
The Hub, Nobel Way, Witton, Birmingham, B6 7EU

Manufacturer's Instructions and Information
Coverall COC20
No.001, Rev. 001, Dated July 2023

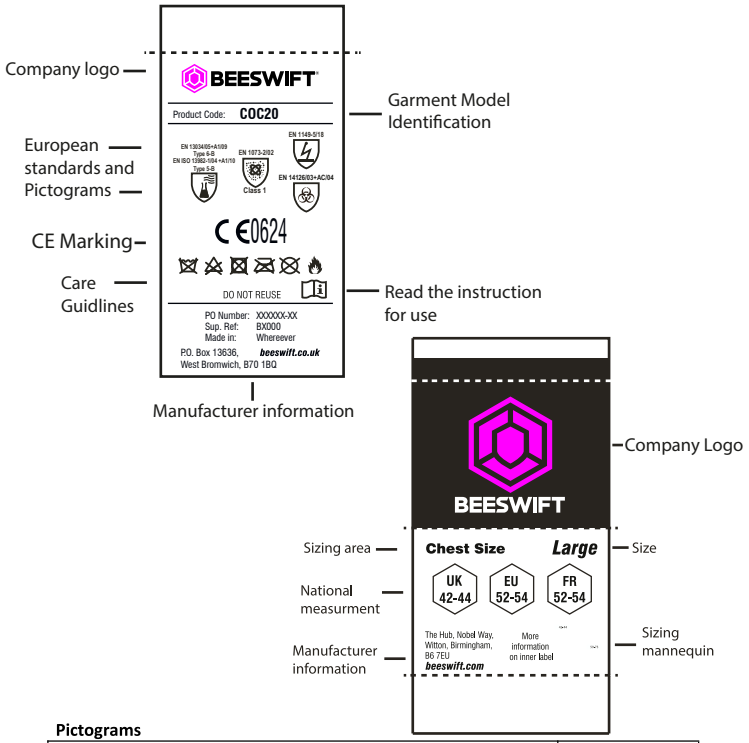
READ CAREFULLY: The existing legislation confers to the employer (user) the responsibility for the identification and the choice of adequate PPE on the basis of the risk type correlating to the workplace environment (characteristics of PPE and relative category). It is, therefore, appropriate to verify the suitability of the item characteristics with the user's needs before use. Moreover, the employer must preliminarily inform the worker about the risk types from which he is protected using the PPE, ensuring, if necessary, education and/or training, concerning the correct and practical usage of the PPE. The Company declines every responsibility for eventual damages or consequences, due to improper use, or in case of changes on PPE different from the PPE object of the certificate. In case the indications of instructions and information are not respected, the PPE shall lose its technical and juridical validity.

Centro Tessile Cotoniero & Abbigliamento S.p.A. (Centrocot), Piazza Sant'Anna 2, 21052 Busto Arsizio VA notified body n. 0624 (Regulation (EU) 2016/425 for Personal Protective Equipment – module C2 and module D).
The chosen Notified Body for Conformity to type assessment is: Centro Tessile Cotoniero & Abbigliamento S.p.A. (Centrocot).

Centrocot UK Limited. Greytown House, 221-227, High Street, Orpington, Kent, BR6 0NZ, United Kingdom Approved body n. 8524 (Regulation (EU)2016/425 for Personal Protective Equipment – module C2 and module D).

Article: Coverall COC20 Fabric: Microporous 100% Polypropylene + polyethylene film, 65 ± 5 g/m^2, white colour	CHEMICAL PROTECTIVE CLOTHING PPE Category III

USE:
Garments object of these instructions and information are in compliance with European standards and they are suitable for the below mentioned usage; they are not suitable for all non-mentioned usage (In particular concerning all kinds of risks related to the third category according to Regulation (EU) 2016/425).



Pictograms

EN 14605:2005+A1:2009 – Protection against liquid chemicals, spray-tight (Type 4)	
EN ISO 13982-1:2004+A1:2010 – Protection against airborne solid particulates (Type 5)	
EN 13034:2005+A1:2009 – Protection against liquid chemical, light spray (Type 6)	
EN 1073-2:2002 – Protection against particulate radioactive contamination (no rays)	
EN 1149-5:2018 – Electrostatic properties	
EN 14126:2003+AC:2004 – Protection against infective agents (Type 4-B, 5-B, 6-B)	
ISO 13688:2013+A1:2021 – Protective clothing – general requirements	

RISKS AGAINST THE PPE IT IS INTENDED TO PROTECT:

EN 14605:2005+A1:2009
- Type 4 is intended to be used for risks of spray-tight of chemical substances, during activities where a full liquid permeation barrier is necessary.

EN ISO 13982-1:2004+A1: 2010
- Type 5 is intended to be used for risks of exposure to chemical products resistant to the penetration of solid particles dispersed in the air for the entire trunk.

EN 13034:2005+A1:2009
- Type 6 is intended to be used for exposure to a light spray, liquid aerosols or low pressure, low volume splashes, against which a complete liquid permeation barrier is not required, i.e., when wearers are able to take timely adequate action when their clothing is contaminated. Type 6 protective clothing forms the lowest level of chemical protection and is intended to protect from potential exposure to small quantities of spray or accidental low volume splashes.

EN 1073-2:2002
- Is intended to be used for protection against risks of exposure to particulate radioactive contamination.

EN 14126:2003+AC:2004
- Is intended to be used for protection against exposure to infective agents.

EN 1149-5:2018
- Is intended to be used for electrostatic dissipative protective clothing to protect against incendiary discharges.

MAINTENANCE AND CLEANING:

					
Do not wash	Do not bleach	Do not dry	Do not iron	Do not dry clean	Flammable fabric

SIZE AND BODY MEASUREMENTS ACCORDING TO EN ISO 13688

Unit: cm	S	M	L	XL	2XL
Height	158-166	166-174	174-182	182-190	190-198
Chest	86-94	94-102	102-110	110-118	118-129
Waist	74-82	82-90	90-98	98-106	106-117
	3XL	**4XL**	**5XL**	**6XL**	
Height	198-206	198-206	198-206	198-206	
Chest	129-141	141-153	153-165	165-177	
Waist	117-129	129-141	141-153	153-165	

MARKING MEANING:
CE guarantees the free circulation of products and goods within the European Economic Community. CE-Marked product complies with the essential requirements of the European Regulation (EU) 2016/425.

LIMITATIONS:
Exposition to certain chemicals or high concentrations may require higher barrier properties, either in terms of the performance of the material or in the construction of the suit. Such areas can be protected by garments in type 1 to type 3. The user shall be the sole judge of the suitability for the type of protection required and the corrected combinations of coveralls and additional equipment.

WAY OF DRESSING:
- Make sure that the size corresponds with the user. Do not make any modificatio ns to the product.
- Check that the product has no defect and is in good condition (no holes, unsewe d parts, etc.)
- Open the zip, dress up taking care not to break the material. Close the zip and sealed the flap. Make the adhesive stripe attaches to the coverall without folding In case of airborne solid particulates, it is advisable to cover and tape the zipper . and to wrap the cuffs and ankles with adhesive tape.
- The protection characteristics are valid only if the item is correctly dressed and closed.

BEESWIFT LTD.
The Hub, Nobel Way, Witton, Birmingham, B6 7EU

Manufacturer's Instructions and Information
Coverall COC20
No.001, Rev. 01, dated July. 2023

- Protect uncovered parts of the body (hands, respiratory areas, foot) with protective gloves, boots, eventual mask etc. attached to the coverall (if necessary, adding adhesive stripe) and offered the same level of protection in order to provide for full body protection.

LIFETIME:
It is suggested to use the product within a period of five years from the date of production written on packages.

WARNINGS:
- Choose products compatible with the area of work.
- The disposable item must be replaced after every use.
- If any breaking, punctures etc. occur, leave the working area and wear a new coverall.
- The prolonged wearing of chemical protective suits may cause heat stress. Heat stress and discomfort can be reduced or eliminated by using appropriate undergarments or suitable ventilation equipment.
- The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person and the earth shall be less than $10^8\Omega$ e.g. by wearing adequate footwear.
- Electrostatic dissipative protective clothing shall not be open or removed whilst in presence of flammable or explosive atmospheres or while handling flammable or explosive substances.
- Electrostatic dissipative protective clothing is intended to be worn in Zones 1, 2, 20, 21 and 22 (see EN 60079-10-1 [7] and EN 60079-10-2 [8]) in which the minimum ignition energy of any explosive atmosphere is not less than 0,016 mJ.
- Electrostatic dissipative protective clothing shall not be used in oxygen-enriched atmospheres, or in Zone 0 (see EN 60079-10-1 [7]) without prior approval of the responsible safety engineer.
- The electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination.
- Electrostatic dissipative protective clothing shall be worn in such a way that it permanently covers all non-complying materials during normal use (including bending and movements).
- This coverall meets the requirement $L_{jmn,\ 82/90} \leq 30\%$, $L_{s\ 8/10} \leq 15\%$.
- The method provides a measure of the inward leakage into protective clothing by dry aerosol particles (generated from a sodium chloride solution) having a mass-median aerodynamic diameter of 0,6 µm.
- These garments are flammable, keep away from fire.
- Abandon the place of work immediately in case of damage to the product.
- The user shall not take off the garment when he is still in the risk area.

TRANSPORT, CONSERVATION AND DISCARDING:
The item should be transported and conserved in a dry place away from sources of light and heat. If not contaminated the product can be treated as common textile waist. If contaminated it should be treated as harmful garbage and discarded according to country laws.

EU DECLARATION OF CONFORMITY:
The internet address where the EU declaration of conformity can be accessed is:
http://www.beeswift.co.uk/web/uk/TechnicalItemSearch.html

Test on whole suits	**Standard/Test Method**	**Requirement**	**Result**	
Type 4 - Resistance to penetration by liquids - Spray test	EN ISO 17491-4, met. B		Pass	
Type 5 - Inward leakage of aerosols of solid particles	EN ISO 13982-2	$L_{jmn,\ 82/90} \leq 30\%$ $L_{s,\ 8/10} \leq 15\%$	Pass	
Nominal protection factor	EN ISO 13982-2		Class 1	
Practical performance test	EN 1073-2		Pass	
Resistance to permeation by chemicals	EN 6529 – met. A(liquids)	≥ 60 min	H_2SO_4 10%	Class 3
Seams strength	EN ISO 13935-2	> 75 N	Class 3	
Test on material	**Standard/Test Method**	**Requirement**	**Result**	
Abrasion resistance	EN 530, met 2	> 1000 cycles	Class 4	
Flex cracking resistance	EN ISO 7854, met B	> 40 000 cycles	Class 5	
Trapezoidal tear resistance	EN ISO 9073-4	> 20 N	Class 2	
Trapezoidal tear resistance	EN ISO 9073-4 – EN 1073-2	> 20 N	Class 3	
Tensile strength	EN ISO 13934-1	> 30 N	Class 1	
Puncture resistance	EN 863	> 10 N	Class 2	
Resistance to permeation by chemicals	EN ISO 6529 – met. A(liquids)	≥ 60 min	H_2SO_4 10%	Class 3
Repellency to liquids	EN ISO 6530	Class 3: > 95 % Class 2: > 90 % Class 1: > 80 %	H_2SO_4 30%	Class 3
			NaOH 10%	Class 3
			o-Xylene	Class 2
			Butan-1-ol	Class 2
Resistance to penetration by liquids	EN ISO 6530	Class 3: < 1 % Class 2: < 5 % Class 1: < 10 %	H_2SO_4 30%	Class 3
			NaOH 10%	Class 3
			o-Xylene	Class 3
			Butan-1-ol	Class 3
Resistance to ignition	EN 13274-4		Pass	
Charge decay (Fabric, knitted cuffs)	EN 1149-3	t_{50}< 4 s, or S > 0,2	Pass	
Resistance to blocking	EN 25978		Pass	
Resistance to penetration by blood-borne pathogens (Test method using Phi-X 174 bacteriophage)	ISO 16603/16604	20 kPa	Class 6	
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids	EN ISO 22610	t > 75 min	Class 6	
Resistance to penetration by contaminated liquid aerosols	ISO/DIS 22611	log > 5	Class 3	
Resistance to penetration by contaminated solid particles	EN ISO 22612	log cfu ≤ 1	Class 3	
pH (Fabric, finger loops, foot loops, knitted cuffs)	ISO 3071	3.5 < pH < 9.5	Pass	
Aromatic amines (Fabric - green)	EN 14362-1		Pass	