

BearEco SC8100



**Instruction for Use
Gebrauchsanweisung
Instructions d'Utilisation**

Marking: Each Coverall is identified by an inner label indicates the type of protection levels and classes, together with some further information for use.

- BearEco SC8100 is the model name for a protective coverall with hood, elasticat wrist, ankles and waist, zipper
- Manufacturer of the garment
- CE marking- signifying compliance with PPE of category III according to European legislation Notified Body number of body issuing Article 11 approval. EU Type examination is by Centro Tessile Cottoniero e Abbigliamento S.p.A, Piazza Sant Anna, 2-1-21052 Busto Arsizio(VA), EU Notified Body Number 0624

4. European Standards for Chemical Protective Clothing are defined six types, which are symbolized in one pictogramm.



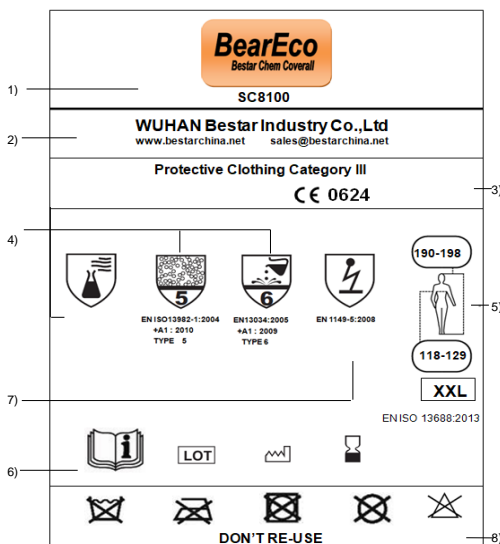
- Type 1: Gas tight clothing
- Type 2: Non gas tight clothing
- Type 3: Liquid tight clothing
- Type 4: Spray tight clothing
- Type 5: Particle tight clothing
- Type 6: Limited splash tight clothing

Wuhan Bestar Industry product BearEco SC8100 specification to the protection types of European Standards BearEco SC8100 coveralls offer protection type 5 and type 6.

5. The size table combines the body measurements with standard size S-XXXL. Please check your body measurement and select correct size for comfortable movement.

Size	Body measurement in cms in compliance with EN ISO 13688: 2013		Size	Body Height	
	Chest girth	Body Height		Chest girth	Body Height
SM	86-94	158-166	XL	110-118	182-190
MD	94-102	166-174	XXL	118-129	190-198
LG	102-110	174-182	XXXL	129-141	198-206

- The "open book" symbol informs the wearer to study the "Instructions for Use"
- BearEco SC8100 coveralls are antistatically treated and offer electrostatic protection according to EN1149-5
- International care symbols



Performance Profile of BearEco SC8100

Physical data	Test method	Result	Class
Abrasion resistance	EN 530 method 2	>100cycles	2/6
Tensile strength on seams	EN ISO 13935-2	110N	3/6
Puncture resistance	EN 863	9.4N	2/6
Flex cracking Resistance	EN ISO 7854 method B	>100.000 cycles	2/6
Tensile Strength	EN ISO 13934-1:2013	95N warp, 48N weft	2/6
Trapezoidal Tear Resistance	EN ISO 9073-4	24.7N weft, 50.4N warp	3/6
PH value	EN ISO 3071:2006; EN ISO 13688	3.5>PH>9.5	Pass
Charge Decay	EN 1149-3	t50 <4 s	Pass
Inward leakage		Ljmn, 82/90 ≤ 30% Ls 8/10 ≤ 15%	Pass
Reduced Spray test	EN468(EN13034/05) Type 6	Pass	
Whole suit aerosol test	EN13982-2/04 Type 5	Pass	
Penetration and repellency by liquid in accordance with UNI EN ISO 6530:2005+ UNI EN 14325:2005			
		Repellency	Penetration
H ₂ SO ₄ (Sulphuric acid) 30%	EN14325- EN ISO 6530	Class 3/3 (97.9.0%)	Class 3/3 (0%)
NaOH(Sodium hydroxide) 10%	EN14325- EN ISO 6530	Class 3/3 (98%)	Class 3/3 (0%)
o-xylene	EN14325- EN ISO 6530	Class 3/3 (93.8%)	Class 3/3(0.3%)
Butan 1 ol	EN14325- EN ISO 6530	Class 3/3(97.6%)	Class 3/3(0%)

PREPARATIONS BEFORE USE:

Do not use incorrect coveralls in case of aully zipper, seams or any other defect, please contact **Wuhan Bestar Industry**. The correct size combined with correct dressing and a closed zipper protected by flap assures the protective performance of the coverall.

WARNINGS:

- Choose products compatible with area of work
- The disposable item must be replaced after every use
- If any breaking, punctures etc. occur, leave the working area and wear new coverall.
- The prolonged wearing of chemicals 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 10⁶Ω 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 shall not be used in oxygen enriched atmospheres 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;
- 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 of the product. The user shall not take off the garment when he is still in the risk area
- The user shall be the sole judge for correct combination of full body protective coverall and ancillary equipment(gloves, boots, respiratory PPE equipment etc).

Wuhan Bestar Industry cannot accept responsibility for any improper use of garments.

STORAGE AND DISPOSAL

BearEco SC8100 coverall can be stored in accordance with normal storage practices, and disposed of without harm to the environment. Restrictions on disposal depend solely on contamination during use. If in doubt please contact your supplier or **Wuhan Bestar Industry** for the correct procedure.



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