

**Protective coverall CoveMicro type 5/6**

 Producer: **Przedsiębiorstwo Wielobranżowe „ART. MAS”**
**Export-Import Jacek Bińczyk, Wojciech Bińczyk Spółka Jawna 26-600 Radom ul. Żółkiewskiego 64, P O L S K A**

**READ CAREFULLY:** The existing legislation confer to the employer (user) the responsibility for the identification and for the choice of the 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 needs prior to use. Moreover, the employer must preliminarily inform the worker about the risk types from which he is protected using the PPE, ensuring, if necessary, an education and/or a training, concerning the correct and practical usage of the PPE. The manufacturer doesn't take any responsibilities for damages due to improper use of the PPE or any use that disagrees with the following instructions. This product belongs to the Personal Protection Equipment (PPE) class as defined in the Regulation of the European Parliament and of the Council of the European Union 2016/425 dated 9 March 2016.

 Approved by *Centro Tessile Cotoniero & Abbigliamento S.p.A. (Centrocot) notified body no. 0624*

Article: CoveMicro type 5/6 One piece coverall with hood, zipper at the front opening covered by adhesive flap, elastic cuffs, ankles and hood; cut and sewn seams	<b>Category = III<sup>^</sup></b> Fabric: Microporous, polypropylene+ polyethylene film (55 grams)
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The clothing is compliance with the following standards:

Standards	Pictograms
<b>EN 13034:2005+A1:2009</b> - Protection against liquid chemical, light spray (type 6) <b>EN ISO 13982-1:2004+A1:2010</b> - Protection against airborne solid particulates (type 5)	
<b>EN 1073-2:2002</b> - Particulate radioactive contamination (no rays)	
<b>EN 14126:2003+AC:2004</b> - Infective agents (Type 4B, 5B, 6B)	
<b>EN 1149-5:2018</b> - Electrostatic charges	

- 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 permanently cover all non-complying materials during normal use (including bending and movements).
- These garments are flammable - Keep away from fire
- Abandon the place of work immediately in case of damage of the product
- The materials from which the product is made, should not adversely affect user hygiene or health. However, any material contained in the material of the article or component which is the product may be an allergen, e.g., polypropylene, etc. People particularly sensitive recommended against the use of prior testing of the product.

**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 a common textile waist. If contaminated it should be treated as harmful garbage and discarded according to country laws.

**EN ISO 13688:2013** - Protective clothing - general requirements

**LIMITATIONS:** exposition to certain chemicals or high concentrations may require higher barrier properties, either in terms of the performances of material or in the construction of the suit. Such areas can be protected by garments in type 1 to type 2. 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 modifications on product.
- Check that the product has no defect and is in good condition (no holes, unsewed 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 the zipper and to surround the extremity of the sleeves and the leggings with adhesive ribbon.
- The protection characteristics are valid only if the item is correctly dressed.

- Protect uncovered body parts (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 label.

**WARNINGS:**

- Choose products compatible with area of work
- The disposable item should 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  $10^8 \Omega$  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 shall not be used in oxygen enriched atmospheres without prior approval of the responsible safety engineer;

**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 Regulation of the European Parliament and of the Council of the European Union 2016/425 dated 9 March 2016

 CoveMicro type 5/6- symbol of the **producer**

-- ART. MaSter – trademark of the **producer**.  
**The production date** is given on the packaging and on the label of the product.

The batch number is the date of production and the letters and numbers placed after the date of production, eg: 2/2020 AA1

USE: garments object of this 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.

The website address on which you can access the EU declaration of conformity: [www.artmas.pl](http://www.artmas.pl)

**MAINTENANCE AND CLEANING:**

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

ROZMIAR	S	M	L	XL	XXL	XXXL
A	173-183	176-186	179-189	182-192	185-195	188-198
B	92-100	96-104	100-108	108-116	112-120	116-124

Test on whole suits	Result	classes
Resistance to liquid penetration Spray test type 6 (EN ISO 17491-4 met. B – EN 13034)		PASS
Resistance to aerosol penetration Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	$L_{jmn}^{82/90} \leq 30\%$ $L_s^{8/10} \leq 15\%$	PASS
Nominal protection factor (EN ISO 13982-2 – EN 1073-2)	TIL <sub>E</sub> % TIL <sub>A</sub> % F <sub>pn</sub>	Class 2
Practical performance tests (EN 1073-2)		Pass
Seams: strength (EN ISO 13935-2)	75-125 N	Class 3
Test on fabric	Result	Classification
Resistance to penetration to liquid (EN ISO 6530 – EN 13034)	H <sub>2</sub> SO <sub>4</sub> 30% < 1% NaOH 10% < 1% o-xilene < 1% Butan-1-ol < 1%	Class 3: Class 3: Class 3: Class 3:
Repellency to liquid (EN ISO 6530 – EN 13034)	H <sub>2</sub> SO <sub>4</sub> 30% > 95% NaOH 10% > 95% o-xilene 90-95% Butan-1-ol 90-95%	Class 3: Class 3: Class 2 Class 3
Abrasion Resistance (EN 530 - method 2)	10100 cycles	Class 2
Trapezoidal tear resistance (EN ISO 9073-4)	20-40 N	Class 2
Tensile strength (EN ISO 13934-1)	30-60 N	Class 1
Puncture resistance (EN 863 - EN 1073-2)	10-50 N	Class 2
Flex cracking resistance (EN 7854)	>100 000 c.	Class 6
Blocking resistance (EN 25978 - EN 1073-2)		Pass
Ignition and flammability (EN 13274-4 - EN 1073-2 )		Pass
Electric surface resistance	$\leq 2.5 \times 10^9$	Pass
Bursting strength (13938-1)	160-320 kPa	Pass
Resistance to penetration by blood-borne pathogens - phi-x174 bacteriophage test – ISO 16603/16604	20 kPa	Class 6
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	t > 75	Class 6
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	log > 5	Class 3
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	1 < log ufc ≤ 2	Class 3
pH (EN ISO 13688 – ISO 3071)	3.5 > pH > 9.5	Pass