

CBRN Suit AVEC-MS-2



TECHNICAL DATA:

- The activated carbon filter is based on carbon spheres
- The garment complies to CBRN NATO Standards
- Minimum 30 days of wearing time
- Minimum 10 times washing at 40°C without decreasing the protection performance
- Minimum shelf life of 10 years if suit is stored in its original packaging under proper storage conditions
- Flame Retardancy according to ISO 6940:2004 – initial and after 5 washings

DESIGN CHARACTERISTICS:

- Fully ergonomic and very light (2.3 kg – 2.5 kg)
- Front zipper covered with a special flap for easy donning & more protection
- Integrated hood is adaptable to most of the CBRN gas mask models in the market
- Double layer closing at the end of the sleeve and foot
- Elastic loop at the end of each cuff
- Adjustable waist for better fitting
- Available in sizes XS up to 4XL
- Available in 2 design variants: two-piece suit and one-piece coverall
- R&D team available for special requests or integration of external interfaces. Any colour or camouflage pattern will be available.



Technical data (Outer Layer)

Material Composition	65% cotton + 35% polyester
Weight	175 ± 15g/m ²
Mechanical properties breaking strength (ISO 13934-1)	Warp: min 950 N Weft: min 500 N
Mechanical properties tear strength (ISO 13937-1)	Warp: min 22 N Weft: min 18 N
Water Resistance (spray-test) (EN 244920)	Original min 5 After 5x wash ISO 6330, 4N (40°C), F (tumbler), iron min 4
Oil repellency test AATCC 118-2013	Original min 6
Hydrocarbon test	After 5x wash ISO 6330, 4N (40°C), F (tumbler), iron min 4
Air permeability (ISO 9237)	Min 250 mm/s (airflow at 100Pa)
Fire Resistance (ISO 6940:2004)	Pass
Colour	Any type of camouflage, olive green, sand, black, navy blue, white

Technical data (Inner Layer)

Material	INNER layer with highly adhered hard spherical active carbon grains; in the Amount of 200 ± 15 g/m ²
Diameter spheres	0.4 mm – 0.7 mm
Homogeneous distribution of the carbon spheres	Homogeneously distributed, Microscope Max distance between 2 spheres is not more than 1 mm
Layer towards the skin	Rachel Warp knit black
Layer towards the outer shell	Non-woven PA/PES
Total weight filter protective layer	345 ± 30g/m ² gsm
Mechanical properties – tensile (ISO 13934-1)	350 ± 50 N
Vapour test, HD, target concentration 11mg/m ³ (80% RH, 30°C, 6 hours)	Pass
Max penetration dose (mg.min/m ³)	
Laid droplet, diffusive flow HD, 10 g/m ² (80% RH · 30°C, 24 hours, 1 µl drops)	Pass
Max penetrated amount (µg/cm ²)	
Laid droplet, convective flow HD, 10 g/m ² (80% RH · 30°C, 24 hours, 1 µl drops)	Pass
Max penetrated amount(mg.min/m ³)	
Absorption capacity CC14	Min 2.0 mg/cm ²
General absorption capacity of the carbon spheres	Min 1100 g/m ²
Penetration methyl salicylate	No penetration for 1 hour with indication paper M8/M9
Washability	Reusable with all its protective properties after min 10 washes ISO 6330, 4N, tumbler low temperature
Shrinkage after 1 washing	Not more than 2%
Air permeability (ISO 9237)	Min 300 mm/s (airflow at 100Pa)

PRODUCT IMAGES:



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