

Technical Documentation

Art. CoverBase SMS-1/SMS-3 / SMS-1Plus / SMS-4Plus

Firm:	ASATEX Aktiengesellschaft August-Borsig-Straße 2, 50126 Bergheim
Basic type description:	CoverBase SMS-1 One-piece coverall made of non woven 50 g/m ² white colour, with hood, zip front opening covered by a flap, elastic at cuffs, ankles, hood and waist.
Variations description:	CoverBase SMS-3 blue color CoverBase SMS-1+ white color with antistatic CoverBase SMS-4+ red color with antistatic
Category: <small>(according to 89/686/EEC)</small>	III
Use destination:	protective clothing against chemical TYPE 5 TYPE 6
Standard:	EN 13034:2005+A1:2009 EN ISO 13982-1:2004+A1:2010 EN ISO 13688:2013 EN 1149-5:2008 (only for SMS-1+ and SMS-4+)
EC Type Examination Certificate	CE 0672180438-00-00
Notified Body 0 6 2 4	Cento Tessile Cottoniero e Abbigliamento S.p.A. – Piazza Anna, 2 – I – 21052 Busto Arsizio (VA)



Performance – Levels and Classes

Test	Result	Class
Resistance to penetration (EN ISO 6530)		
H ₂ SO ₄	0.0 %	3
NaOH	0.0 %	3
o-xylene	24.0 %	N.C.
Butan-1-ol	22.3 %	N.C.
Repellency to Liquid (EN ISO 6530)		
H ₂ SO ₄	95.2 %	3
NaOH	87.6 %	1
o-xylene	0.2 %	N.C.
Butan-1-ol	19.0 %	N.C.
Abrasion Resistance (EN 530 method 2)	700 cycles	3
Trapezoidal tear resistance (EN ISO 9073-4)	62.3 N weft 45.0 N warp	3 3
Tensile strength (EN ISO 13934-1)	120 N weft 71 N warp	3 2
Puncture resistance (EN 863)	8.62 N	1

Flex cracking resistance (EN 7854)	> 5000 Cycles	3
Resistance to ignition (EN 13274-4)	Self extinguishing	pass
Antistatic SMS-1 + (EN1149-5)		pass
Performance of whole suit		
Low level spray test – type 6 (EN ISO 17491-4 method A)	No penetration	PASS
Resistance to aerosol penetration Inward leakage type 5 (EN ISO 13982-2)	Fulfil	PASS
Seams Strength (EN 13935-2 grab method)	143 N	4
Size (EN 340)	Fulfil	PASS
Ergonomic requirements (EN340)	Fulfil	PASS
Design requirements (EN 13034)	Fulfil	PASS
Colour blue		
pH Value (EN 340 – ISO 3071)	6.2	PASS
Release carcinogenic amines – azo dyes (EN340 – EN 14362-1)	No detectable	PASS
Colour fastness to perspiration (EN 340 – ISO 105-E04)	5	PASS