KLEENGUARD* Apparel, Jacket and Trousers

A50 Breathable Splash and Particle Protection Apparel

Suitable for chemical and pharmaceutical industries, manufacturing, utilities, electronics, agriculture and paint spraying.



Protection against chemical splash and particles

- Available in white and blue coveralls, white jacket and trousers
- Durable SMS Fabric with additional treatment for increased protection against chemical splash
- Anti-static EN 1149-1 for critical areas
- Low lint fabric and internal seams reduce the risk of fibre contamination
- Silicon free, ideal for paint spraying
- 2-way zip for quick easy access to work clothes
- Breathable fabric reduces the risk of heat stress
- Hood designed for respirator use and freedom of movement
- Strong triple stitched seams help to protect against tearing
- EN 1073-2 approved for radioactive dust protection(1)

Product Performance Data

Property		
Fabric Tests	**Test Method**	**Class(2) or Result**
Abrasion resistance	EN 530 Mth 2	2
Flex cracking resistance	ISO 7854 Mth B	4
Trapezoidal tear resistance	ISO 9073-4	1
Puncture resistance	EN 863	1
Tensile strength	EN ISO 13934-1	1
Resistance to liquids	EN 368 (10% NaOH) / (30% H_2SO_4)	3 / 3
Resistance to penetration by liquids	EN 368 (10% NaOH) / (30% H_2SO_4)	3 / 3
Resistance to ignition	EN 13274-4 Mth 3	PASS
Seam strength	EN ISO 13935-2	3
Surface resistivity	EN 1149-1:1995	< 5 x 10^{10} ohm
Low lint	BS 6909:1988	> 5 µm < 100 particles
Whole Garment Tests		
Resistance to penetration by liquids in the form of a light spray (mist test)	EN 468 (modified)	PASS
Determination of resistance of suits to penetration by aerosols and fine particles	pr ISO 13982-2	Average Total Inward Leakage 6.4% avg
Radioactive dust	EN 1073-2:2002	1
(Tests performed with taping at wrists, ankles and hood)		

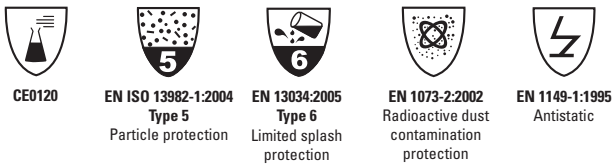
(1) Provides no protection against radioactive radiation
(2) As specified in European Standards documents EN ISO 13982-1:2004 and EN 14605:2005



High performance SMS fabric
Outer layers – cloth-like, yet strong and abrasion-resistant spunbond polypropylene.



Middle layer – intricate web of microfibres that filters out many water-based liquids and dry particulates.



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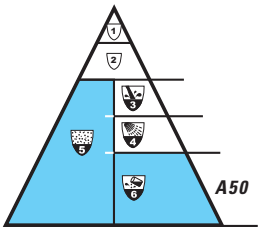
EN ISO 13982-1:2004 Type 5
Particle protection

EN 13034:2005 Type 6
Limited splash protection

EN 1073-2:2002
Radioactive dust contamination protection

EN 1149-1:1995
Antistatic



Description	Size/Code	S	M	L	XL	XXL	XXXL	Colour	Case Contents	PPE Classification	Type
A50 Coverall		96810	96820	96830	96840	96850	96860	○	25 × 20 ×	CAT III	5 & 6
A50 Coverall		96870	96880	96890	96900	96910	96920	●	25 × 20 ×	CAT III	5 & 6
A50 Jacket		–	99440	99450	99460	99470	99480	○	15 ×	CAT III	5 & 6†
A50 Trousers		–	99500	99510	99520	99530	99540	○	15 ×	CAT III	5 & 6†

†Jacket and trousers when worn together offer Type 6 protection (and Type 5 protection if taped at waist, ankle, wrist and hood). Jackets and trousers when worn separately only conform to Type 6 [PB] protection.