

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.

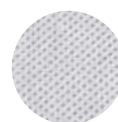
Protection against chemical splash and particles

- 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 ₂ SO ₄)	3 / 3
Resistance to penetration by liquids	EN 368 (10% NaOH) / (30% H ₂ SO 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



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

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



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

(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



CE0120



EN ISO 13982-1:2004
Type 5
Particle protection



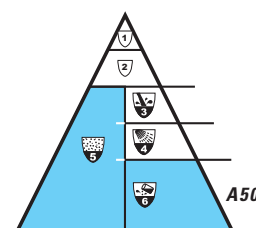
EN 13034:2005
Type 6
Limited splash protection



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.