



KLEENGUARD* A80 Product Description

Intended Use

KLEENGUARD* A80 Chemical Permeation & Jet Liquid Protection Coveralls:

- Are limited life protective clothing designed to protect the user from high pressure aqueous jets, handling inorganic acids and bases and a range of organic chemicals.
- Are approved as Complex design (Category 3) equipment offering protection to the levels specified for Type 3 (liquid chemicals, liquid-tight connections) and Type 5 (particulates).
- Low lint and silicone free for critical areas.
- Approved for EN14126 Protective clothing against infective agents
- Approved for EN 1073-2 Protective clothing against radioactive contamination

Product

Kimberly-Clark has invested in this garment's design and materials development specifically to offer the user the ideal combination of protection with comfort.

Fabric

KLEENGUARD* A80 Garments are made from a laminate of barrier film and a non-woven fabric. The non-woven fabric will be treated for antistatic to meet the levels specified in EN1149-1 and are silicone free which is important when working with paint or sensitive surfaces.




Seams











The seams are welded to provide high strength and barrier properties to with stand high-pressure aqueous jets.

Zip Cover

A double Velcro® zip flap system is used to cover the liquid repellent zip thus ensuring protection in the normally vulnerable area.

Symbols and Marking on the garment – what they tell you

	This symbol demonstrates that the garment is suitable for protection against chemicals. The CE mark followed by 0120 indicates that this is equipment of Complex Design (cat 3), and that the product is manufactured under a quality system, which has been approved by, notified body 0120 (SQS Yardley International).
	EN 14605: 2005 Type 3 - Limited use clothing, with liquid tight connections.
	ENISO 13982-1: 2004 Type 5 - Limited use clothing offering particle protection.

	EN 1149-1:1995 Antistatic Clothing (Electrostatic dissipative protective clothing to avoid incendiary discharges).		
	EN 1073-2:2002 Radioactive Contamination		
	EN 14126:2003 Infective Agents Protection		
	The open book pictogram - indicates that the user should read and understand the USER INSTRUCTIONS before using the garment.		
	Inflammable. Keep away from open flames, sparks or intense heat sources. The fabric will begin to melt at approx. 120°C		
	Do not wash		Do not iron
	Do not tumble dry		Do not dry clean
	Do not use chlorine-based bleach		

Product Performance Data

To be certified as a Type 3 and Type 5 chemical protective garment, KLEENGUARD* A80 must meet certain performance requirements laid down by CEN, the European committee for normalization. The standards apply throughout all member states of the EU.

For each property test data is classified into bands indicated by a Class number on a scale where 1 is lowest. There are a different number of classes for different tests. For some tests a simple pass/fail result is given.

The product performance data for KLEENGUARD* A80 Coveralls is shown below.



Limited Use Chemical Protective Clothing Type 3 & 5

Property	Test Method	Class/Result
Abrasion Resistance	EN 530 M2	Class 6
Flex Cracking	EN ISO 7854 MB	Class 5
Trapezoidal Tear Resistance	ISO 9073-4	Class 3
Tensile Strength	EN ISO 13934-1	Class 2

Puncture Resistance	EN 863	Class 2
Resistance to Permeation by Liquid Chemicals	EN 374-3	10%NaOH Class 6 30%H ₂ SO ₄ Class 6
Resistance to Ignition	EN 13274-4 M3	PASS
Seam Strength	EN ISO 13935-2	Class 4
Resistance to Penetration by Liquids (jet test)	EN 463	PASS
Particle Inward Leakage	prEN ISO 13982-2	PASS L _{jmn, 82/90} <30%, L _{s, 8/10} <15%



EN 1149-1:1995 Antistatic Clothing

Surface Resistivity	EN 1149-1	PASS
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EN 1073-2:2002 Radioactive Contamination

Nominal Protection Factor	EN 1073-2	Class 1/ TIL _a =3.6%
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EN 14126:2003 Infective Agents Protection

Resistance to penetrate - blood & body fluids	ISO/FDIS 16603	6
Resistance to penetrate - blood-borne pathogens	ISO/FDIS 16604	6
Determination of penetration by bacteria	ISO/FDIS 22610	6
Determination of penetration by biologically contaminated aerosols	ISO/FDIS 22611	3
Determination of penetration by biologically contaminated dust	ISO/FDIS 22612	3

DEDICATED TO PROTECTING YOU

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