

KLEENGUARD* Apparel

A40-A30



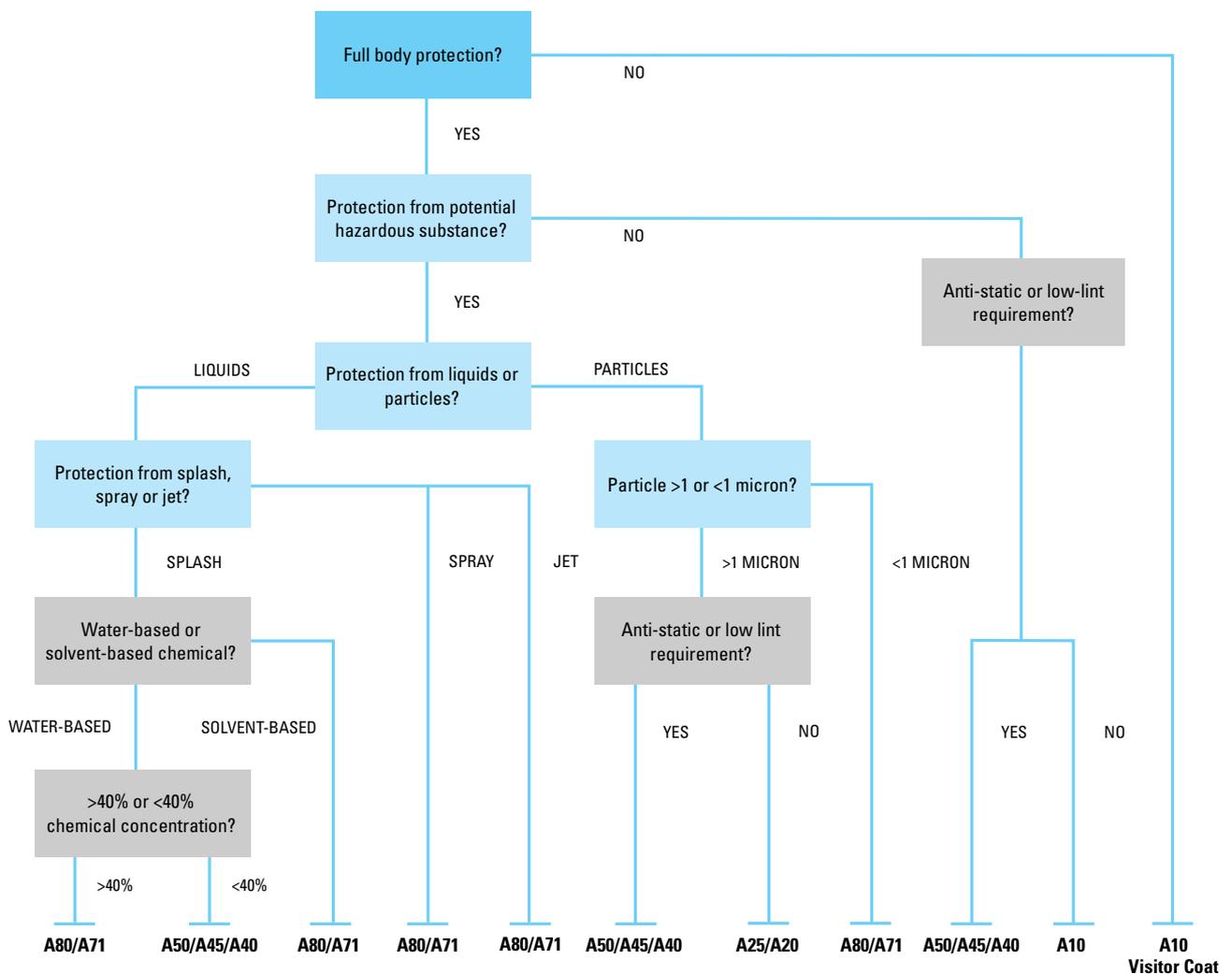
KLEENGUARD* Apparel

Product selector

A comprehensive range of apparel products providing the most appropriate personal protection to meet your needs.

Selecting the right apparel

To increase productivity and cost-effectiveness, workers must be able to work comfortably and safely, being protected against a broad spectrum of possible hazards. Use the apparel selector in order to determine the right garment for the right task.



The selector is a guide only. It is the responsibility of the employer to make sure the apparel is suitable for its intended use. We suggest that you always check the latest version of KIMBERLY-CLARK PROFESSIONAL* product literature to get more information about the products or contact INFOFAX Service by emailing infofax@kcc.com.

KLEENGUARD* Apparel

A40 Liquid and Particle Protection Apparel

Suitable for critical production environments such as pharmaceutical industries, manufacturing, utilities, electronics, agriculture and paint spraying.

Protection against chemical splash and particles

- Film laminate technology provides an outstanding barrier against a wide range of chemicals
- Particle protection, holds out > 99% of fibres greater than 1 micron
- Strong triple stitched seams help protect against tearing
- Hood designed for respirator use and freedom of movement
- Full length zip, eases ability to get in/out of garment
- Ultra low-lint performance, film laminate and internal seams significantly reduce levels of lint
- Anti-static fabric EN 1149-1 for critical areas
- Silicone free, ideal for paint-spraying
- EN 1073-2 approved for radioactive dust protection⁽¹⁾
- Compressed packaging provides auto-dispensing system and reduces storage space
- Sealed polybags for low contamination risk

Product Performance Data

Property		
Fabric Tests	Test Method	Class ⁽²⁾ or Result
Abrasion resistance	EN 530 Mth 2	6
Flex cracking resistance	ISO 7854 Mth B	4
Trapezoidal tear resistance	ISO 9073-4	2
Puncture resistance	EN 863	2
Tensile strength	EN ISO 13934-1	1
Repellence to liquids	EN 368 (10% NaOH) / (30% H ₂ SO ₄)	3 / 3
Resistance to penetration	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	< 5 x 10 ¹⁰ ohm

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 5.09% 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 13034:2005 and EN ISO 13982-1:2004

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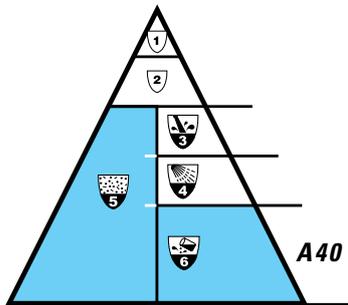
A40 Liquid and Particle Protection Apparel

High performance apparel fabric

Outer layer – film coating resists splash and spray from many liquids and dry particulates.



Inner layer – cloth-like, yet tough and abrasion-resistant spunbond polypropylene.



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	XXL	Colour	Case Contents	PPE Classification	Type
A40 Coverall		99790	99791	99792	99793	99794	99795	○	25 x	CAT III	5 & 6

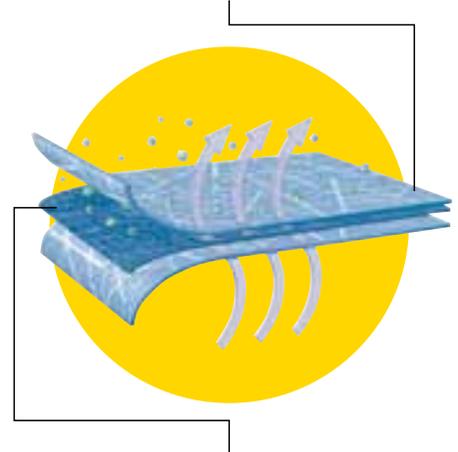
KLEENGUARD* Apparel

A30 Breathable Splash & Particle Protection Apparel

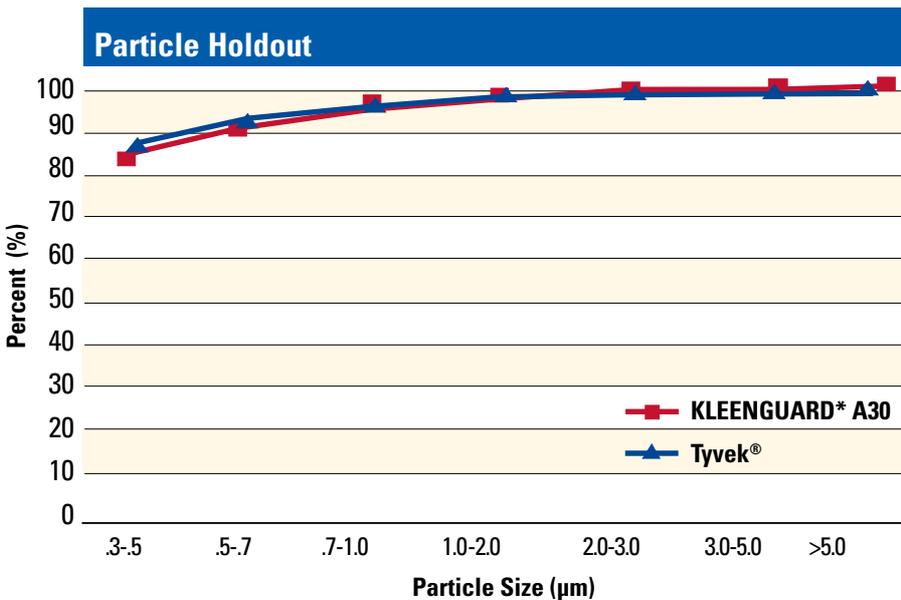
Features

- Breathable, patented MICROFORCE* Barrier SMS Fabric
- Heavier & more durable than KLEENGUARD* A20 Coveralls
- 25 times more breathable with comparable particle holdout to Tyvek®
- Strong and abrasion resistant
- Patented REFLEX* Design is 7-1/2 times less likely to rip out than ANSI minimums – provides 12% more chest room and 6% longer body length
- Seamless front provides more protection in primary exposure areas
- NFPA 99 Compliant Antistatic Material
- Elastic back
- Zipper flap

KLEENGUARD* Apparel
MICROFORCE* Barrier SMS Fabric
 Outer Layers – Cloth-like, yet tough and abrasion-resistant spunbond polypropylene



Middle Layers – Intricate web of microfibers that filter out many water-based liquids and dry particulates



KLEENGUARD* Apparel

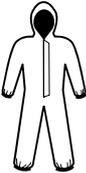
A30 Breathable Splash & Particle Protection Apparel

KLEENGUARD* A30 Apparel Fabric Properties

Physical Properties	Test Method	Results
Tensile Strength (MD)	ASTM D5034	29.7 lbs
(CD)		20.8 lbs
Trapezoidal Tear(MD)	INDA IST 100.2	9.9 lbs
(CD)		6.9 lbs
Elongation (MD)	ASTM D5034	41%
(CD)		53%
Mullen Burst	ISO 13938-1	42.5 psi
Static Decay (<0.5 sec)	NFPA 99	Pass
Flammability	CPSC 1610	Class 1
Barrier Properties	Test Method	Results
Hydrohead	AATCC 127-1998	88.2 cm
Particle Holdout (1.0-2.0 microns)	Independent Lab	96.7%
Comfort Properties	Test Method	Results
Air Permeability	ASTM D737	29.5 cfm
Moisture Vapor Transport Rate	ASTM E96	4506 g/m ² /24 hr



KLEENGUARD* A30 Coveralls

Zipper Front w/1" Flap, Elastic Back, Wrists, Ankles & Hood	Size	Case Count	Typical Uses
	46112	M	25
	46113	L	25
	46114	XL	25
			<ul style="list-style-type: none"> • Pharmaceutical research • Dry particle contamination • Aerospace • Maintenance/General manufacturing