

**Protection against bloodborne pathogens
in forensic environments**

Typical Uses

- Animal research
- Emergency medical response
- Crime scene cleanup
- Embalming/forensics



Recommended by:
American Biorecovery Association

Passes ASTM F1670/F1671⁺ testing for
penetration of blood, body fluids and
bloodborne pathogens.



**NEW
& Improved!**



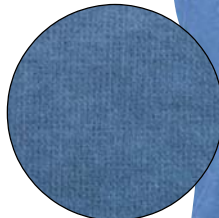
Seamless front to provide
more protection in the
primary exposure areas

Outer layers provide
protection of the film barrier
against tearing and abrasion

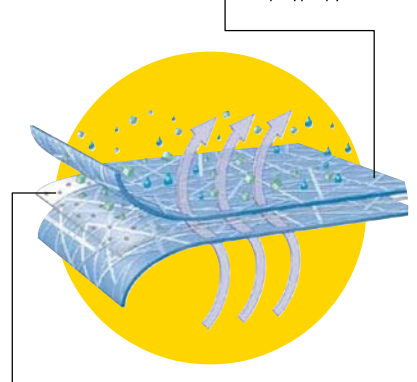
Patented REFLEX* Design
is 7-1/2 times less likely to
rip out than ANSI minimums—
provides 12% more chest room
and 6% longer body length

Patented three-layer fabric
construction features a middle
layer of microporous film that
allows heat and sweat vapor
to escape, yet protects against
many dry particulates and
liquids, even under pressure

Taped storm flap



KLEENGUARD* A60 Apparel Fabric
Outer Layers – Cloth-like, yet tough
and abrasion-resistant spunbond
polypropylene



Middle Layers – Breathable microporous
film offering resistance to many liquids
and dry particulates

Also ideal protection for light chemical splash applications.

Typical Uses

- Tank cleaning
- Fiberglass manufacturing
- Liquid handling



KLEENGUARD* A60 Apparel Fabric Properties

Physical Properties	Test Method	Results
Tensile Strength (MD)	ASTM D5034	29.4 lbs
(CD)		16.7 lbs
Trapezoidal Tear (MD)	INDA IST 100.2	10.2 lbs
(CD)		3.84 lbs
Elongation (MD)	ASTM D5034	54.6%
(CD)		72.2%
Mullen Burst	ISO 13938-1	49.3 psi
Static Decay (<0.5 sec)	NFPA 99	Pass
Flammability	CPSC 1610	Class 1
Barrier Properties	Test Method	Results
Hydrohead	AATCC 127-1998	183 cm
Particle Holdout (<0.3 µm)	Independent Lab	100%
Blood Penetration	ASTM F1670	Pass
Bloodborne Pathogens	ASTM F1671†	Pass
Comfort Properties	Test Method	Results
Moisture Vapor Transport Rate	ASTM E96	2800 g/m ² /24 hr

† Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Bloodborne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System.

KLEENGUARD* A60 Fabric Liquid Chemical Resistance Test

Chemicals	Liquid Penetration Method D
	ASTM F903
	Test Duration: 60 mins.
	Saturation Exposure
Acetone	Pass
Acetonitrile	Pass
Dichloromethane	Pass
Dimethylformamide	Pass
Ethyl Acetate	Pass
n-Hexane	Pass
Methanol	Pass
Sodium Hydroxide (50%)	Pass
Sulfuric Acid (97%)	Pass
Tetrahydrofuran	Pass
Sodium Hypochlorite (household bleach)	Pass
Isocyanate Hardener (65%)	Pass

WARNING: Fabric passes Penetration testing; however, the chemical is considered a known / suspected carcinogen or skin-absorbed toxin.

Coveralls

Zipper front

Code	Size	Case Count
45232	M	24
45233	L	24
45234	XL	24
45235	XXL	24
45236	XXXL	20
45237	XXXXL	20

Zipper front, storm flap, elastic back, wrists, ankles & hood

Code	Size	Case Count
45022	M	24
45023	L	24
45024	XL	24
45025	XXL	24
45026	XXXL	20
45027	XXXXL	20

Zipper front, storm flap, elastic back, wrists & ankles

Code	Size	Case Count
45002	M	24
45003	L	24
45004	XL	24
45005	XXL	24
45006	XXXL	20
45007	XXXXL	20

Zipper front, storm front, elastic back, wrists, ankles, hood & boots

Code	Size	Case Count
45092	M	24
45093	L	24
45094	XL	24
45095	XXL	24
45096	XXXL	20
45097	XXXXL	20

Accessories

Lab Coat Snap front, chest & hip pocket

Code	Size	Case Count
45512	M	25
45513	L	25
45514	XL	25
45518	XXL	25





KLEENGUARD* A60 Bloodborne Pathogen & Chemical Protection Coveralls

Product Information

Zipper Front	Code	Size	Quantity
	35407*	S	24
	45232	M	24
	45233	L	24
	45234	XL	24
	45235	2XL	24
	45236	3XL	20
	45237	4XL	20
	27288*	5XL	20
	30954*	6XL	20

Zipper Front, Storm Flap, Elastic Back, Wrists & Ankles	Code	Size	Quantity
	45002	M	24
	45003	L	24
	45004	XL	24
	45005	2XL	24
	45006	3XL	20
	45007	4XL	20

Zipper Front, Storm Flap, Elastic Back, Wrists, Ankles & Hood	Code	Size	Quantity
	45022	M	24
	45023	L	24
	45024	XL	24
	45025	2XL	24
	45026	3XL	20
	45027	4XL	20
	30955*	5XL	20
12939*	6XL	20	

Zipper Front, Storm Flap, Elastic Back, Wrists, Ankles, Hood & Boots	Code	Size	Quantity
	45092	M	24
	45093	L	24
	45094	XL	24
	45095	2XL	24
	45096	3XL	20
	45097	4XL	20
	30943*	5XL	20
	12940*	6XL	20

*Made-to-Order

Workmanship Requirements

Coveralls shall be made in accordance with reasonable industry practice with respect to holes, tears, wrinkles, cleanliness, and foreign materials or dirt. For additional information: 1-888-346-4652 or kimtech@kcc.com

Fabric Properties

Physical Properties	Results	Test Methods
Tensile Strength (MD)	29.4 lbs	ASTM D5034
Tensile Strength (CD)	16.7 lbs	ASTM D5034
Trapezoidal Tear (MD)	10.2 lbs	INDA IST 100.2
Trapezoidal Tear (CD)	3.84 lbs	INDA IST 100.2
Elongation (MD)	54.6%	ASTM D5034
Elongation (CD)	72.2%	ASTM D5034
Mullen Burst	49.3 psi	ISO-13938-1
Static Decay (<0.5 sec)	Pass	NFPA 99
Flammability	Class 1	CPSC 1610

Barrier Properties	Results	Test Methods
Hydrohead	183 cm	AATCC 127-1998
Particle Holdout (0.3-0.5 microns)	100%	Independent Lab
Blood Penetration	Pass	ASTM F1670
Bloodborne Pathogens	Pass	ASTM F1671†

Comfort Properties	Results	Test Methods
Moisture Vapor Transport Rate	2800 g/m ² /24 hr	ISO-13938-1

Additional Attributes
Passes ASTM F1670/F1671 † for penetration of blood, bodily fluids and bloodborne pathogens
Denim Blue Spunbond-film-SMS laminate
Seamless front
Non-latex polyisoprene elastic, No silicone, No BHT preservative
REFLEX* Design – see catalog for sizing chart
Taped storm flap

Liquid Chemical Resistance Test

Chemicals	Liquid Penetration Method D§
Acetone	Pass
Acetonitrile	Pass▲
Dichloromethane	Pass▲
Dimethylformamide	Pass
Ethyl Acetate	Pass
n-Hexane	Pass▲
Methanol	Pass
Sodium Hydroxide (50%)	Pass
Sulfuric Acid (97%)	Pass
Tetrahydrofuran	Pass
Sodium Hypochlorite (household bleach)	Pass
Isocyanate Hardener (65%)	Pass

†Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration of Bloodborne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System.

§ASTM F903 Test Duration 60mins. Saturation Exposure

▲ WARNING: Fabric passes penetration testing, however, the chemical is considered a known or suspected carcinogen or skin-absorbed toxin.

Kimberly-Clark warrants that its products (1) comply with K-C's standard specifications as of the delivery date to K-C's authorized distributors/direct purchasers and are warranted for the following periods from end user's date of purchase (verified by valid sales receipt) (a) five years for Balder Technology auto darkening filters; (b) two years for all other auto darkening filters; and (c) one year for powered air purifying respirators; (2) comply with all K-C labeling representations; and (3) are manufactured in compliance with all applicable federal, state, and local laws in effect at the time and place of manufacture of the products. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. K-C is not liable for any kind of special, incidental, or consequential damages. K-C's liability for breach of contract, tort or other cause of action shall not exceed the product purchase price. Purchasers and users are deemed to have accepted the above warranty and limitation of liability, and cannot change the terms by verbal agreement or by any writing not signed by K-C. To the extent required by applicable law, K-C does not limit its liability for death/injury resulting from K-C's negligence.

©*Trademarks of Kimberly-Clark Worldwide, Inc. or its affiliates. Marques déposées de Kimberly-Clark Worldwide, Inc. ou de ses filiales. © 2013 KCWW.



Exceptional Workplaces