

KleenGuard*

Chemical Splash Protection Apparel

A70

SEAMLESS FRONT TO PROVIDE MORE PROTECTION IN THE PRIMARY EXPOSURE AREAS

TAPED STORM FLAP

PATENTED REFLEX* DESIGN IS 7½ TIMES LESS LIKELY TO RIP OUT THAN ANSI MINIMUMS – PROVIDES 12% MORE CHEST ROOM AND 6% LONGER BODY LENGTH

POLYETHYLENE-COATED FABRIC THAT'S RESISTANT TO MANY WATER-BASED LIQUIDS, GREASES AND OILS, AND LIQUID CHEMICAL SPLASHES

PASSES ASTM F903 PENETRATION TESTING FOR A WIDE RANGE OF LIQUID CHEMICALS REPRESENTED BY ASTM F1001

PASSES THE ASTM F1670/F1671‡ TESTING FOR PENETRATION OF BLOOD, BODY FLUIDS AND BLOOD-BORNE PATHOGENS

Typical Uses

- Agricultural mixing and spraying
- Chemical handling
- Environmental clean-up
- Oil refining
- Acid/caustic splash
- Tank cleaning
- Pesticide application
- Biohazard clean-up



KLEENGUARD* A70 Chemical Splash Coveralls

formerly REPEL* Apparel

COVERALLS – Serged Seam, White

Zipper front, storm flap

STYLE	SIZE	CASE COUNT
45412	M	25
45413	L	25
45414	X L	25
45415	XX L	25
45416	XXX L	21
45417	XXXX L	21

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

STYLE	SIZE	CASE COUNT
45422	M	25
45423	L	25
45424	X L	25
45425	XX L	25
45426	XXX L	21
45427	XXXX L	21

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

STYLE	SIZE	CASE COUNT
45432	M	25
45433	L	25
45434	X L	25
45435	XX L	25
45436	XXX L	21
45437	XXXX L	21

California's Department of Pesticide Regulation, a division of the state EPA, has approved KLEENGUARD* A70 Coveralls as chemical protection in pesticide applications. KLEENGUARD* A70 Chemical Splash Protection Coveralls are an excellent lower-cost alternative for basic chemical splash protection.





did you know

More than 13 million U.S. workers are potentially exposed to chemicals that can be absorbed through the skin.

Source: NIOSH

PROPERTIES OF KLEENGUARD® A70 CHEMICAL SPLASH APPAREL FABRIC

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Tensile Strength (MD)	ASTM D5034	25.1 lbs
(CD)		19.6 lbs
Trapezoidal Tear (MD)	INDA IST 100.2	9.4 lbs
(CD)		6.6 lbs
Elongation (MD)	ASTM D5034	47%
(CD)		56.6%
Mullen Burst	ISO 13938-1	36.8 psi
Static Decay (<0.5 sec)	NFPA 99	Pass
Flammability	CPSC 1610	Class 1
BARRIER PROPERTIES	TEST METHOD	RESULTS
Hydrohead	AATCC 127-1998	277 cm
Blood Penetration	ASTM F1670	Pass
Blood-Borne Pathogens	ASTM F1671†	Pass

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

LIQUID CHEMICAL RESISTANCE TEST / KLEENGUARD® A70 APPAREL FABRIC

CHEMICALS ASTM F1001	PENETRATION ASTM F903 (PROCEDURE C)
Acetone	Pass
Acetonitrile	Pass Δ
Carbon Disulfide	Pass Δ
Dichloromethane	Pass Δ
Diethylamine	Pass Δ
n,n-Dimethylformamide	Pass
Ethyl Acetate	Pass
n-Hexane	Pass Δ
Methanol	Pass Δ
Nitrobenzene	Pass
Sodium Hydroxide (50%)	Pass
Sulfuric Acid (98%)	Pass
Tetrachloroethylene	Pass Δ
Tetrahydrofuran	Pass
Toluene	Pass Δ

Δ **WARNING:** Fabric passes penetration testing; however, the chemical is a known or suspected carcinogen or skin absorbed toxin.

PROTECTIVE APPAREL A70 SPLASH TYVEK®

CHEMICALS	A70 SPLASH PENETRATION ASTM F903 (PROCEDURE D)	TYVEK® PENETRATION ASTM F903 (PROCEDURE D)
Toluene Diisocyanate (TDI)	Pass	Fail
Methylene bisphenyl isocyanate (MDI)	Pass	Fail
Hexamethylene diisocyanate (HMDI)	Pass	Fail
Malathion (50%)	Pass	Fail
ROUNDUP® (100%)	Pass	Fail
ORTHENEX® (50%)	Pass	Fail