

# REPEL® COVERALLS BASIC CHEMICAL SPLASH PROTECTION

**M**ade from a polyethylene-coated fabric that's lightweight and resistant to many water-based liquids, greases and oils, and liquid chemical splashes and sprays. REPEL® coveralls pass ASTM F903 penetration testing for the wide range of liquid chemicals represented by ASTM F1001. REPEL® passes the ASTM F1670/1671‡ testing for penetration of blood, body fluids and blood-borne pathogens. Also, California's Department of Pesticide Regulation, a division of the state EPA, has approved REPEL® Coveralls as chemical protection in pesticide applications. REPEL® is an excellent lower-cost alternative for basic chemical splash protection.



## PROPERTIES OF REPEL® 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
Flammability	CPSC 1610	Class 1
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/REPEL® Apparel Fabric

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

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

For important information, please refer to back cover.

## PROTECTIVE APPAREL REPEL TYVEK

CHEMICALS	PENETRATION ASTM F903 METHOD D	PENETRATION ASTM F903 METHOD D
Toluene Diisocyanate (TDI)	Pass	Fail
Methylene bisphenyl isocyanate (MDI)	Pass	Fail
Hexamethylene diisocyanate (HMDI)	Pass	Fail
Malathion (50%)	Pass	Fail
Round Up® (100%)	Pass	Fail
Orthenex® (50%)	Pass	Fail

## Typical Uses

Ideal for general protection and splash exposure chemical applications, including:

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

## COVERALLS — 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

### 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

### 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



CONSTRUCTED WITH REFLEX\* COVERALL DESIGN

Chemical Protection

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