ALPHACHEM X350

LIMITED LIFE CHEMICAL COVERALL

The Alphachem X350 is constructed from a unique non-woven composite, engineered to offer a high level of barrier to the permeation of organic, inorganic chemicals and infective agents. The material provides a very high level of strength and durability combined with good levels of drape.

FEATURES

- Manufactured using polyethylene and EVOH barrier composite, bonded structural spunbonded and polypropylene base layer suitable for higher risk applications.
- Tough and durable.
- Improved fit, enhanced freedom of movement with a re-enforced crotch.
- Double zip system and grab tag to support with an emergency. Easy to hold when wearing gloves.
- Reinforced knee patches for extra durability when kneeling.
- Stitched and fully taped seam stitching and elastication.
- Elasticated wrists and ankles for secure fit.
- Three piece hood construction for better fit.
- Available in a wide range of sizes.
- Double sleeve system with inner thumb loop ensuring arm protection to support when arm is raised.
- Made from a highly visible orange composite.

ORDERING INFORMATION

Main Item No.	Description
ASC00002GF	X350 Orange Medium
ASC00002GH	X350 Orange Large
ASC00002GJ	X350 Orange X-Large
ASC00002GL	X350 Orange XX-Large
ASC00002GN	X350 Orange XXX-Large

SUITABLE APPLICATIONS

Recommended applications include:

- **Decontamination Work Pressure Cleaning**
- **Hazardous Chemical Spill Response**
- **Hazardous Waste Disposal**
- **Petrochemical Plant Maintenance**
- **Plant Maintenance**
- **Tank Cleaning**

ALPHA SOLWAY

ALPHACHEM X350

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CERTIFICATION

EN1073-2:2003 TIL Class 1 — Protective clothing against radioactive particulate contamination.

EN14126:2003 Type 3-B; 4-B; 5-B; 6-B — Protective clothing against infective agents and biological hazards (3B, 4B, 5B & 6B).

EN14605+A1:2009 Type 4 — Suits that offer protection against saturation from hazardous liquid chemicals.

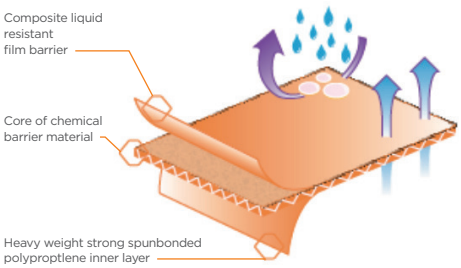
EN13034:2005+A1:2009 Type 6 — Reduced spray-suits which offer limited protection against a light spray of liquid chemicals.

EN1149-5:2008 — Protective clothing with electrostatic dissipative properties.

EN14605+A1:2009 Type 3 — Suits that can protect against strong and directional jets of hazardous liquid chemicals.

EN ISO 13982-1:2004+A1:2010 Type 5 — Dry particle protection – suits which provide protection to the full body against airborne solid particles.

MATERIAL COMPOSITION



MATERIAL WEIGHT

- 155 gsm

FABRIC TECHNICAL DATA

FABRIC PHYSICAL TESTS ACCORDING TO EN 14325: 2004

TEST METHOD	RESULT	EN CLASS
Abrasion Resistance EN530 Method 2	>2000 cycles	6 of 6
Flex ISO 7854 Method B	>1,000 <2,500 cycles	1 of 6
Tear Resistance EN ISO 9073-4 (MD)	70.4 N	4 of 6
Tear Resistance EN ISO 9073-4 (CD)	66.1 N	4 of 6
Tensile Strength ISO 13934-1 (MD)	150.0 N	3 of 6
Tensile Strength ISO 13934-1 (CD)	120.0 N	3 of 6
Puncture Resistance EN 863	19.0 N	2 of 6

OTHER PHYSICAL PERFORMANCE DATA

DESCRIPTION	RESULT
BS EN 20811 Resistance to Water Penetration	>72 kPa
ISO 13938-1 Bursting Resistance	337 kPa Class 4 of 6
EN 25978 Resistance to Blocking	No Blocking
EN 1149-1 Electrostatic Surface Resistance	PASS
EN 14362-1 Arylamines derived from Prohibited Azo Dyes	None Detected
EN ISO 3071:2006 pH of Aqueous Extract	PASS

EN 14126: 2003 - BARRIER TO INFECTIVE AGENTS

TEST METHOD	RESULT	EN CLASS
ISO 16603 - Resistance to penetration by blood/fluids under pressure	Pass to 20 kPa	6 of 6
ISO 16604 - Resistance to penetration by blood borne pathogens	Pass to 20 kPa	6 of 6
EN ISO 22610 - Resistance to wet bacterial penetration (mechanical contact)	Penetration >75 mins No Penetration	6 of 6
ISO/DIS 22611 - Resistance to biologically contaminated aerosols	Penetration Ratio Log10 CFU >5 No Penetration	3 of 3
ISO 22612 - Resistance to dry microbial penetration	Penetration Log Log10 CFU <1 No Penetration	3 of 3

SIZING

The following table reflects the garment dimensions.

SIZE	CHEST (cm)	BODY HEIGHT (cm)
S	84 - 92	164 - 170
M	92 - 100	170 - 176
L	100 - 108	176 - 182
XL	108 - 116	182 - 188
XXL	116 - 124	188 - 194
XXXL	124 - 132	194 - 200

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