

Technical Data Sheet



Summary	
Product	Ultra Chem NS
Description	Soft and flexible microporous PE film laminate fabric – the best Type 5 & 6 protection in a competitively priced coverall with Ultra Chem superior features such as the Super-B style pattern.
Fabric & weight	Microporous film laminate. 65 gsm.
Style *(see overleaf)	UCNS
Seam Type	3 thread over lock stitch
Colour	White, Orange and Green

CE Certification		
EN Standard*	Description	Result
EN 340: 2002	Protective Clothing : general Requirements	Pass
EN 13034: 2005	Type 6: Protection against light spray of liquids	Pass
EN 13982: 2004	Type 5: protection against hazardous dry particles	Pass
EN 14605: 2004	Type 3 & 4: Protection against splashes and sprays of liquid chemicals	NT
EN 1073: 2002	Protection against dust particles that may be contaminated with radiations	Pass
EN14126: 2003	Protection against infectious agents	Pass
EN 1149-5: 2008	Anti-static garment requirements: (ATEX regulations exclude certification for PPE: However, ATEX and BGR 132 / TBR52153 reference certification to EN 1149 as a suitable measure for protective clothing for explosive atmospheres.)	1.08 x 10 ⁹ Pass

*All Ultra chem garments are certified to the latest version of standards where possible

Mechanical Properties			
EN Standard	Description	Result	EN Class
EN 13934	Tensile Strength	79.87/34 N	Class 2/1
EN 530	Abrasion Resistance	<100 Cycles	Class 1
EN 863	Puncture Resistance	6.2 N	Class 1
ISO 2960	Burst Strength	50.9 kPa	Class 1
ISO 7854	Flex Cracking	<40000 Cycles	Class 4
ISO 9073	Trapezoidal tear md/cd	28.1/19.4 N	Class 2/1
ISO 9073	Trapezoidal tear-mean	23.75 N	Class 2
ISO 5082	Seam Strength	88.8 N	Class 3

Chemical Repellency – EN 368 (for Type 6)		
Chemical	EN Class	
	Repellency	Penetration
Sulphuric Acid 30%	Class 3	Class 3
Sodium Hydroxide 10%	Class 3	Class 3
O-Xylene	Class 2	Class 3
Butan-1-ol	Class 2	Class 3

Chemical Permeation – EN 6529 – For Types 1 to 4		
The chemical list below is from EN 6529 Annex A2 and is intended to provide a broad spectrum of chemical types if general chemical suit assessment		
Chemical	CAS No	Result / EN Class
Acetone	67-64-1	N/A
Acetonitrile	75-05-8	N/A
Carbon Disulphide	75-15-8	N/A
Dichloromethane	75-09-2	N/A
Diethylamine	109-89-7	N/A
Ethyl Acetate	141-78-6	N/A
n-Hexane	110-54-3	N/A
Methanol	67-56-01	N/A
Sodium Hydroxide	1310-73-2	N/A
Sulphuric Acid (96%)	7664-93-9	N/A
Tetrahydrofuran	109-99-9	N/A
Toluene	108-88-3	N/A

Breakthrough times are a reflection controlled lab tests measuring “Normalised Breakthrough” as the time to reach a permeation rate of 1.0µg/min/cm². This does not imply “no breakthrough” and is not intended to indicate any duration of “safe-use” in any specific application. It is always the users’ final responsibility to ensure a garment is suitable for the application.

Key Features
? Microporous film laminate combines superior protection with a comfortable, soft and flexible fabric
? Coverall with 3 piece hood, inset sleeves, 2 piece diamond crotch gusset, elasticated hood, waist, cuffs and ankles
? High MVTR for higher comfort level.
? Ultra “Super-B” style pattern – ergonomically styled and sized for generous fit and superior freedom of movement.
Suggested Applications
? Paint- spray applications
? Low-level insecticide / pesticide spraying
? Wet applications in GRP manufacture
? Boat building
? Wind blade manufacture
? Pharmaceutical manufacture
? General maintenance and cleaning applications
? Scene of Crime Operations
? Low hazard emergency response applications

No Information provided is intended to guarantee product suitability for any specific application:
It is always the users final responsibility to ensure garment suitability