

ChemMax® 4 Plus

Powered by PermaSURE®



Stitched & Taped Seams



Superior multi-layer barrier films laminated to spunbond PP substrate - 210gsm.

- Extruded fabric construction. Results in smoother and more consistent fabric than bonded or glued competitors.
- Superior softness and flexibility and more consistent chemical barrier (no 'pinching' or thinner bond points as seen in competitor fabrics).
- European manufactured fabric. Tested against a full range of chemical warfare agents for anti-terror and civil defence operations.
- Works with PermaSURE® app to calculate safe-use times against over 4000 chemicals.
- Very soft and flexible materials for enhanced comfort.
- Cushioned double-layer knee pads for increased comfort and safety.
- Improved Super-B style coverall: superior fit, wearability and durability.
- Three-piece hood, inset sleeves and diamond crotch gusset results in best fitting garment on the market.
- New design three-piece hood with tapered centre piece for superior face and respirator mask fit.
- New higher neck and zip flaps for improved face/neck protection.
- Double zip & storm flap front fastening for safe and secure protection.

Physical Properties

		Brand C	Brand D	ChemMax®4 Plus	Brand E	Brand F
Property	EN Std	CE Class	CE Class	CE Class	CE Class	CE Class
Abrasion Resistance	EN 530	6	6	6	6	6
Flex Cracking	ISO 7854	1	5	1	1	1
Trapezoidal Tear	ISO 9073	2	3	MD 5 / CD 4	5	3
Tensile Strength	EN 13934	3	2	3	4	4
Puncture Resistance	EN 863	2	2	2	2	2
Burst Strength	EN 13938	NA	2	2	NA	NA
Seam Strength	EN 13935-2	4	4	4	5	5

Permeation Test Data *

Liquid chemicals from EN 6529 Annex A. For a full list of chemicals tested see Permeation Data Tables or Chemical Search at www.lakeland.com/europe. Tested at saturation unless stated.

		Brand C	Brand D	ChemMax®4 Plus	Brand E	Brand F
Chemical	CAS No.	CE Class	CE Class	CE Class	CE Class	CE Class
Acetone	67-64-1	6	6	6	6	6
Acetonitrile	70-05-8	6	6	6	6	6
Carbon Disulphide	75-15-0	6	Imm	6	6	6
Dichloromethane	75-09-2	Imm	Imm	6	6	6
Diethylamine	209-89-7	6	Imm	6	6	6
Ethyl Acetate	141-78-6	6	6	6	6	6
n-Hexane	110-54-3	6	6	6	6	6
Methanol	67-56-1	6	6	6	6	6
Sodium Hydroxide (50%)	1310-73-2	NA	6	6	6	6
Sulphuric Acid (98%)	7664-93-9	6	6	6	6	6
Tetrahydrofuran	109-99-9	6	6	6	6	6
Toluene	95-47-6	6	6	6	6	6

* NB = normalised breakthrough. This is the time taken for the PERMEATION RATE to reach 1.0µg/minute/cm² in controlled laboratory conditions at 23°C. It is NOT the point at which breakthrough first occurs. For safe use times see Selection Guide and PermaSURE®.

Areas shaded green indicate where ChemMax® 4 Plus is either equal to or better than the equivalent brand C, D, E and F products.

ChemMax® 4 PLUS Styles

428
Coverall with elasticated hood, cuffs, waist & ankles. Double front zip fastening, cushioned kneepads.
Size: S - XXXL

L428
Coverall with elasticated hood, cuffs, waist & ankles. Double front zip fastening, cushioned kneepads. Thumb loops.
Size: S - XXXL

430
Coverall 'Plus' with hood and attached feet/boot flap. Elasticated cuffs and waist. Double front zip fastening, cushioned kneepads.
Size: S - XXXL

430G
Coverall 'Plus' with hood and attached feet and gloves using Push-Lock® connection. Elasticated cuffs, waist & ankles. Double front zip fastening, cushioned kneepads.
Size: S - XXXL

400
Encapsulated suit with flat back. To be worn with a breathing mask fed by compressed air hose. This can be fed through the air inlet hose to the mask worn inside the suit.
Size: M - XXL

450
Encapsulated suit with expanded back. To be worn with self-contained breathing apparatus for breathing purposes.
Size: M - XXL

527
Smock / Gown with rear entry / ties and elasticated cuffs.
Size: M - XL

025
Apron with ties
Size: M - XL

024
Sleeves
Size: One size

023NS
Overboots with anti-slip sole
Size: L-XL

021
Cape hood with rear inlet pigtail
Size: One size

Available in: Military Green, Yellow, Green

Not all styles are available from European stock in this fabric. Please contact our sales office for information on stock items.

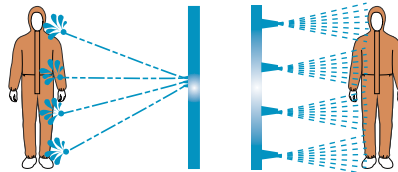
PermaSURE® Use PermaSURE® to quickly calculate safe wear times for ChemMax® 4 Plus

Clothing For Protection against Hazardous Chemicals

Chemical protection is defined by three key standards:



2.
Which hazard / spray type?



3.
Physical / environment factors



*Competitor brand results are from competitors' own websites and were correct at the time of publication. Users are recommended to check up to date information with competitors before making any assessment based on specific chemicals. Other chemical test results may be available from competitors.