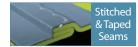


# ChemMax® 2



















# Propriatory established chemical barrier film laminated to spunbond PP substrate -135gsm.

- Extremely soft and flexible compared to coveralls offering similar protection level.
- White with grey seams for easy identification & high visibility.
- Low noise level improved comfort and safety.
- Low price compared to other coveralls offering similar protection.
- Permeation testing achieves similar or better result on 66% of 100 chemicals tested compared to more expensive
- 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						
		ChemMax® 2	Brand C	Brand D		
Property	EN Standard	CE Class	CE Class	CE Class		
Abrasion Resistance	EN 530	6	6	6		
Flex Cracking	ISO 7854	6	1	5		
Trapezoidal Tear	ISO 9073	5	2	3		
Tensile Strength	EN 13934	3	3	2		
Puncture Resistance	EN 863	2	2	2		
Burst Strength	ISO 2960	2	NA	2		
Seam Strength	ISO 5082	4	4	4		

### 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.

		ChemMax® 2	Brand C	Brand D
Chemical	CAS No.	CE Class	CE Class	CE Class
Acetone	67-64-1	6	6	6
Acetonitrile	70-05-8	6	6	6
Carbon Disulphide	75-15-0	lmm	6	lmm
Dichloromethane	75-09-2	lmm	Imm	lmm
Diethylamine	209-89-7	NT	6	lmm
Ethyl Acetate	141-78-6	6	6	6
n-Hexane	110-54-3	6	6	6
Methanol	67-56-1	6	6	6
Sodium Hydroxide (30%)	1310-73-2	6	NA	6
Sulphuric Acid (96%)	7664-93-9	6	6	6
Tetrahydrafurane	109-99-9	3	6	6
Toluene	95-47-6	Imm	6	6

\* NB = normalised breakthrough. This is the time taken for the PERMEATION RATE to reach 1.0 $\mu$ g/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® 2 is either equal to or better than the equivalent brand C and D products.

# ChemMax® 2 Styles



Style code 428 cuffs.waist & ankles Double front zip fastening, cushioned kneepads

Sizes: S - XXXL

Style code 527

Smock / Gown with rear entry / ties and

Size: M - XL



Style code L428 hood, cuffs, waist & ankles Double front zip fastening. cushioned kneepads, thumb loops



Style code 430 with attached feet/boot flap and double cuffs

Sizes: S - XXXL



Style code 430G Coverall with hood and attached feet. Double zip/ storm flap, double cuff with attached gloves using Push-Lock® connection

Sizes: S - XXXL

es: S - XXXI







Style code 025 Style code 024



Size: L - XL



Available in: White with

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

# **Super-B Style New and Improved Design Features**

#### 1. Three-Piece Hood

The three-piece hood results in a 3D shape which is more rounded and fits the head better, moving freely with wearer movement and resulting in a more comfortable and durable garment.

ChemMax® now features a unique tapered centre piece resulting in an even better fitting hood.

#### 2. Inset Sleeves -

Inset sleeves result in greater freedom of movement and less stress on seams - especially at the crotch.

In addition there is less pulling back of sleeves during use, so ChemMax® garments need no thumb loops - which can catch on machinery and be a hazard.

#### 3. Diamond Crotch Gusset

The crotch features a diamond shaped 2-piece gusset which creates a better fitting shape allowing greater freedom of movement and takes stress away from the critical crotch area.

#### 4. Cushioned Knee-pads

ChemMax® 1,2, and 3 features large padded knee-pads. A double fabric layer with cushioning material between means increased comfort and safety when kneeling on rough surfaces.



Higher neck, zip and zipflap. Better protection at the neck.



Lakeland chest labels feature all CE labelling requirements. So users and manager's can easily see wearers have the correctly certified garment.

#### 7. Double Zip and Storm Flap

Lakeland's multi-layer double-zip and flap results in more secure protection at the front fastening - the most critical area of the garment.

#### 8. Push-Fit Glove Option

Combine ChemMax® with Lakeland's unique Push-Lock® Glove Connection System. Leak-proof, Type 3 approved glove connection for ChemMax® Coveralls.



The combination of features in the Lakeland Super-B style results in an even better fitting, more comfortable, more durable garment with better protection than ever!

# Chemical Suit Selection

Selection of an appropriate chemical suit is vital in ensuring and optimising protection, comfort and cost.

The chemical?

The primary consideration is the chemical.
What does a permeation test 'breakthrough' mean?
How toxic is it and how much will cause harm?
How to calculate safe-use times.

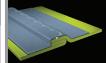
What type of spray hazard does the application present?

Determining which applies, can have important consequences for garment options.

3. Physical/ environmental factors?

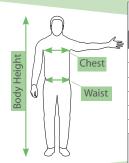
What physical and environmental factors might be important in the application?

# Seams



All ChemMax® and TomTex® coveralls feature stitched and taped seams for maximum strength and protection.

# **Garment Sizing**



Lakeland garments are cut and sized generously and according to the Super-B style for maximum freedom.

Size	Body Height (cm)	Chest (cm)	Waist (cm)
S	164-170	84-92	82-88
M	170-176	92-100	88-94
L	176-182	100-108	94-100
XL	182-188	108-116	100-106
XXL	189-194	116-124	106-112
XXXL	194-200	124-132	112-114

Selection of the appropriate sized garment is important in maximising comfort, protection and durability.

#### Storac



Lakeland coveralls are supplied individually (unless specified) in sealed, vacuum packed in polythene bags and outer cardboard cartons.

As materials are unaffected by normal conditions garments can be stored in standard warehousing facilities. In general keep dry and avoid very warm temperatures or temperatures below -15°C.

Avoid direct sunlight or other strong light for



#### Shelf-Life

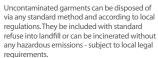
With bags un-opened, properly stored in cool, dry conditions and away from sunlight or strong light, garments should achieve a shelf life of ten years or more. Some discolouration may occur over time, especially in garments left in sunlight and in particular white fabric may gain a slight yellow tinge, but this does not affect garment performance.

For suits designed to protect against hazardous chemicals we would recommend that after a maximum of 10 years, suits are downgraded to "training suits" or disposed of suitably.

Before use, all garments, regardless of age, should always be given a visual inspection for any damages or tears and to ensure any parts such as zips etc. function properly. Any garments that are damaged or worn in any way should not be used in any hazardous situation.



#### Disposal



However, garments contaminated with any chemicals must be disposed of appropriately with particular reference to the disposal requirements of the chemical and any local or national regulations. It is the users' responsibility to ensure contaminated garments are disposed of appropriately accordingly. Special instructions are available on request for Interceptor®.

W: www.lakeland.com

E: nastevenson@lakeland.com



<sup>\*</sup> 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.