ChemMax[®] Encapsulated Suits

ChemMax[®] Encapsulating suits use a fully encapsulating design including full hood with face visor and attached boots

- · Rear entry encapsulating suit with 20mil PVC visor
- Flat and expanded back versions available (see styles below)
- · Attached boots with boot over-flaps
- Rear mounted zip with storm flap
- One hood-mounted exhaust port with protective shroud to allow escape of exhaled air
- · Elastic wrists (use with push-lock connection system not supplied optional extra)
- Spacious and generous design for comfort and freedom of movement
- Available in ChemMax[®] 1, 2, 3 and 4 Plus fabrics.
- Certified to Types 3 & 4. These are not gas-tight suits and are not suitable for protection against hazardous gases and vapors

Physical Properties							
		ChemMax [®] 1	ChemMax [®] 2	ChemMax [®] 3	ChemMax [®] 4 PLUS		
Property	EN Standard	CE Class	CE Class	CE Class	CE Class		
Abrasion Resis- tance	EN 530	2	6	6	6		
Flex Cracking	ISO 7854	1	6	4	1		
Trapezoidal Tear	ISO 9073	4/3	4	5/4	MD 5 / CD 4		
Tensile Strength	EN 13934	3	3	3	3		
Puncture Resis- tance	EN 863	2	2	2	2		
Burst Strength	EN 13938	2	2	2	2		
Seam Strength	EN 13935-2	170N	4	4	4		

Chemical Permeation Test Data

For the latest data available refer use the Chemical Search Page (accessible at www.lakeland.com)

ChemMax® 3, ChemMax® 4 Plus and Interceptor® Plus fabrics work with the PermaSURE® smartphone app for calculation of real world safe wear times according to temperature and the toxicity of the specific chemicals - with over 4000 chemicals in the database.

Permeation test data should not be used as an indication of safety or safe wear time and if used so can give a false impression of safety. Users may be coming into contact with a chemical without realising it.

Safe-wear times should be calculated taking into account permeation rate, temperature and chemical toxicity.



WARNING! These coveralls are not gas tight and are not suitable for protection in environments where hazardous gases and vapors may be present but will provide superior protection in more hazardous liquid chemical environments.



ChemMax® Encapsulating Suit Styles



400 Flat back with air inlet hose 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. The exhaust valve allows escape of exhaled air. Size: M - XXL



450 **Expanded back for internally** worn self-contained breathing apparatus

To be worn with self-contained breathing apparatus for breathing purposes. The exhaust valve allows escape of exhaled air. Size: M - XXL

ChemMax® Encapsulated Suits are available in these fabrics







ChemMax® 1

ChemMax[®] 2

ChemMax® 3







Clothing For Protection against Hazardous Chemicals

Selecting the right chemical suit for the job is vital to ensure not only are workers properly protected but that they are not over-protected – which could mean paying more than you need for PPE and that workers suffer more discomfort than necessary.





- A variety of factors relating to the task and where it is performed can influence the choice of garment.
 - Three groups of factors can be considered.

Factors relating to :						
The Task	The Environment	Others				
For example: Kneeling / crawling? Climbing? Confined space? Mobility?	For example: Visibility?, Moving vehicles? Sharp edges?, Heat or flames? Warm conditions? Explosive atmosphere?	For example: Co-ordination with other PPE? Training required? Donning and doffing? Regulatory issues?				
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All such factors may influence the choice of fabric and garment design: (physical properties, colour, noise level and additional properties such as flammability).

CE Standard physical tests can be used to assess comparative performance in terms of durability using abrasion resistance, tear strength etc.

Use the QR Code or visit:

https://www.lakeland.com/canada/brands/chemmax-1

For more information about the factors that contribute to ensuring you select the most appropriate and effective chemical suit for the job, along with details on how to assess safe-wear times, download our **Guide to Chemical Suit Selection**



In Canada Toll Free: 800-489-9131 Voice: 519-757-0700 Fax: 519-757-0799 Email: sales-canada@lakeland.com

www.lakeland.com/ca