

Engångsoverall Safeguard GP

Summary		
Product	Safegard GP	
Description	SMS fabric for high air-permeability to make the most comfortable Type 5 & 6 option. With Lakelands' superior Super-B style pattern for an ergonomic, comfortable and durable fit.	
Fabric & weight	SMS polypropylene. 50 gsm	
Style *(see overleaf)	ESGP528	
Seam Type	Over locked	
Colour	White, Blue, Red or Orange	

CE Certification		
Description	Result	
Protective Clothing: general Requirements	Pass	
Type 6: Protection against light spray of liquids	Pass	
Type 5: protection against hazardous dry particles	Pass	
Type 3 & 4: Protection against splashes and sprays of liquid chemicals	NT	
Protection against dust particles that may be contaminated with radiation	Pass	
Protection against infectious agents	NT	
Anti-static garment requirements: (ATEX regulations exclude certification for PPE: However, ATEX and BGR 132 / TBRS2153 reference certification to EN 1149 as a suitable measure for protective clothing for explosive atmospheres.)	4.83 x 10 ⁸ Pass	
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Mechanical Properties				
EN Standard	Description	Result	EN Class	
EN 13934	Tensile Strength	121.4/127.3 N	Class 3	
EN 530	Abrasion Resistance	<500 Cycles	Class 2	
EN 863	Puncture Resistance	7.7 N	Class 1	
ISO 2960	Burst Strength	112 kPa	Class 2	
ISO 7854	Flex Cracking	100000 Cycles	Class 6	
ISO 9073	Trapezoidal tear md/cd	26.5/25 N	Class 2	
ISO 9073	Trapezoidal tear-mean	25.75 N	Class 2	
ISO 5082	Seam Strength	80.5 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		<u>-</u>		
Butan-1-ol		-		

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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
Tetrahydrafuran	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

- 3 layer SMS nonwoven polypropylene for high breathability and so excellent comfort
- Effective protection against hazardous dry particles and light liquid sprays
- Coverall with 3 piece hood, inset sleeves, 2 piece diamond crotch gusset, elasticated hood, waist, cuffs and ankles
- Lakeland "Super-B" style pattern ergonomically styled and sized for generous fit and superior freedom of movement

Suggested Applications

- "Dry" applications in GRP manufacture
- Boatbuilding
- Wind blade & similar manufacture
- Wood and plastic processing
- Insulation
- General manufacturing and maintenance
- Low level / low hazard sprays

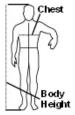
Other Design Features

All Lakeland chemical suits (TomteX & ChemMAX) feature a front fastening consisting of a double zip with storm flaps. This ensures both full protection against sprays to the front of the garment and easy donning and doffing.

In addition ChemMAX garments (Except ChemMAX 4) feature wide double layer knee-pads to enhance comfort, durability and safety.



Sizing



Size	Body Height	Chest
S	164-170cm	84-92cm
М	170-176cm	92-100cm
L	176-182cm	100-108cm
XL	182-188cm	108-116cm
XXL	189-194cm	116-124cm
XXXL	194-200cm	124-132cm