

## Instructions for Use

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**Module D CE Certification:****CE 2895**

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**Module B certification:****CE 2443**

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<https://www.lakeland.com/declaration-of-conformity/>

## Garment Type Testing / Clothing Types / Label Details

Symbol	Standards Description	Symbol	Standards Description
	Chemical Protective Clothing		Refer to User Instructions
	Type 6 EN 13034:2005+A1:2009 Liquid chemicals: Aerosol spray Protection		Type 5 EN ISO 13982:2004 +A1:2010 Hazardous dust Protection
	Anti-static EN 1149-1:2006 or EN 1149-3:2018	[PB]	Partial Body Protection
	Do not re-use		

## Physical Properties

EN ISO 12947-2 - Abrasion	Class 6
EN 863 - Puncture Resistance	Class 2
ISO 7850 - Flex Cracking Resistance	Class 6
ISO 9073 - Tear Resistance MD/CD	Class 1
ISO 13934 - Tensile strength MD/CD	Class 2
EN 13935 - Seam strength	Class 3
ISO 6530 - Penetration 10% Sodium Hydroxide	Class 3
ISO 6530 - Repellency 10% Sodium Hydroxide	Class 3
ISO 6530 - Penetration 30% Sulfuric Acid	Class 3*
ISO 6530 - Repellency 30% Sulfuric Acid	Class 3

## Care Symbols

Do not wash	Do not machine dry	Do not iron	Do not dry clean	Flammable material keep away from fire

\* LTSG428P/LTSG428P achieves Class 2 in terms of resistance to penetration by 30% Sulfuric Acid.

## Garment Sizing

	Size	A - Height (cm)	B - Chest (cm)
	SM	164 - 170	84 - 92
	MD	170 - 176	92 - 100
	LG	176 - 182	100 - 108
	XL	182 - 188	108 - 116
	2X	188 - 194	116 - 124
	3X	194 - 200	124 - 132

## Product Introduction

The LakeTek™ series protective suit is a high comfort, efficient dust-proof and liquid splash-proof limited use protective suit.

## Product Features

- Polyethylene fabric has good breathability, is soft and comfortable to wear, and can provide a comfortable user experience in dirty and dusty environments.
- Edge seam structure: flat seam, with elastic closure for the face, wrist, and ankle.
- Style: Coverall, three piece hood, inset sleeves, crotch, elastic waistband.

Standard version: LTSG428, LTSG428P

Standard Plus Thumb Ring: LTSL428, LTSL428P

## Usage Restrictions and Precautions

- These garments are limited use protective clothing manufactured to meet the requirements of Regulation (EU)2016/425 and PPE standard EN ISO 13688: protective clothing general requirements.
- Manufactured under ISO 9001 quality control procedures.
- Package and garment labels indicate product type.
- Before using the protective clothing, users should evaluate the usage environment and choose the appropriate protective clothing correctly. It is the responsibility of the user to choose the appropriate product. Choosing protective clothing incorrectly may result in serious injury.
- Check the protective clothing before use: lay the protective clothing on a clean and smooth surface, carefully check whether the protective clothing has holes, cracks or tears, and replace it in time if it is damaged.
- Ensure all seams and closures are intact, Worn, damaged or contaminated garments should not be used.
- According to the user's height and weight, choose the appropriate size of protective clothing. Wear protective clothing correctly during use to ensure effective protection.
- Fabrics with low air permeability, can cause heat stress. Frequent rest is advised.
- Clothing will protect only the parts of the body it covers. Connections with other PPE may require appropriate sealing. All Type 5 testing has been conducted with face, ankles and wrists sealed with PVC tape. This may be appropriate in some applications.
- PB- Partial body protection garments will only protect parts of the body that are covered.
- If the protective clothing needs to be used again, the integrity of the product should be carefully checked before use, and the product should not be contaminated by hazardous substances; If it has been polluted, it shall be handled correctly according to the relevant regulations.
- Not suitable for use in extremely low or high temperatures.
- Protective clothing cannot be cleaned, and uncontaminated clothing can be incinerated or landfilled as general waste. Contaminated garments must be disposed of appropriately according to the requirements of the contamination.
- Fabrics are treated to meet the requirements of EN 1149-1:2006 & EN 1149-5:2018. EN 1149 is stated in ATEX and German regulation TRBS 2153 (replacement for BGR 132) as the best determination of suitability for protective clothing in explosive/oxygen enriched or Zone 0 atmospheres. This does not imply garments are suitable for use in all explosive atmospheres. A risk assessment should be conducted by qualified personnel. In addition, in any explosive atmosphere: -electrostatic dissipative protective clothing is intended to be worn in Zones 1,2,20,21 and 22 (see EN 60079-10-1 and EN60079-10-2) in which the minimum ignition energy of any explosive atmosphere is not less than 0,016 mJ.
- Garments should be worn correctly, fully closed and contact with the skin maintained directly or through other anti-static PPE to allow charge dissipation. The garment should fully cover any non-dissipative clothing during normal use including when bending and moving.
- No special storage conditions required. The protective clothing shall be stored under dry and room temperature conditions to prevent mildew, moths, direct sunlight, and away from high temperature, heat sources and corrosive chemicals.
- Store in original sealed bags in normal conditions and away from strong light. Expected shelf life of garments should be >10 years.
- The Type garment testing is based on the application of sealing tape at the placket. When using the product, users need to independently judge whether it is necessary to apply the tape according to the actual situation to meet their usage requirements.
- To don the disposable coverall, inspect it for damage, select the correct size, and put it on by stepping into the legs, pulling it up to the waist, inserting your arms into the sleeves, and pulling it over the shoulders. Fully zip the garment and secure any flaps or closures. Ensure snug fit at the wrists, ankles, and hood, and apply sealing tape if required. Don other required PPE such as gloves, goggles, and respirator in the correct order. To doff, treat the outer surface as contaminated, unzip the suit carefully, and roll it down from the shoulders, turning it inside out. Remove the suit completely, avoiding contact with the outside surface, and dispose of it according to contamination status. Wash hands thoroughly after removal.

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## 产品介绍

LakeTek™系列防护服是一款高舒适度、高效防尘防液溅的限用型防护服。

## 产品特点

- 聚乙烯面料具有良好的透气性，柔软舒适，可在脏乱、多尘的环境中提供舒适的穿着体验。
- 边缘缝合结构：平缝设计，面部、腕部及脚裸处采用弹性封口。
- 款式：连体式，三片式帽兜，嵌入式袖子，插裆设计，弹性腰带。

标准版本：LTSG428，LTSG428P

标准加拇指环版本：LTSGL428，LTSGL428P

## 使用限制与注意事项

- 这些防护服为限用型防护服，符合欧盟法规（EU）2016/425 和个人防护装备标准 EN ISO 13688：防护服通用要求。
- 按照 ISO 9001 质量控制程序制造。
- 包装和服装标签注明产品类型。
- 使用防护服前，使用者应评估使用环境并正确选择合适的防护服。选择合适的产品是使用者的责任。选择不当的防护服可能导致严重伤害。
- 使用前检查防护服：将防护服平铺在干净平整的表面，仔细检查防护服是否有孔洞、裂纹或破损，如发现损坏应及时更换。
- 确保所有缝合处和闭合装置完好无损。磨损、损坏或污染的防护服不得使用。
- 根据使用者的身高和体重，选择合适尺码的防护服。使用时应正确穿戴，以确保有效防护。
- 透气性较低的织物可能导致热应激。建议频繁休息。
- 服装仅能保护其覆盖的身体部位。与其他个人防护装备（PPE）的连接处可能需要适当密封。所有类型5测试均在面部、脚踝和手腕处用PVC胶带密封后进行。此方法在某些应用中可能适用。
- PB- 部分身体防护服仅能保护其覆盖的身体部位。
- 若防护服需重复使用，使用前需仔细检查产品完整性，确保未被危险物质污染；若已污染，应按照规定正确处理。
- 不适用于极端低温或高温环境。
- 防护服不可清洗，未受污染的防护服可作为一般废物进行焚烧或填埋处理。受污染的防护服必须根据污染程度的要求进行适当处置。
- 面料经过处理，符合EN 1149-1:2006及EN 1149-5:2018标准要求。EN 1149在ATEX和德国法规TRBS 2153（替代BGR 132）中被列为爆炸性/富氧环境或0区环境中防护服适用性的最佳判定标准。这并不意味着防护服适用于所有爆炸性环境。应由合格人员进行风险评估。此外，在任何爆炸性环境中：- 抗静电防护服适用于1区、2区、20区、21区和22区（见EN 60079-10-1和EN 60079-10-2），其中任何爆炸性环境的最小点火能量不低于0.016 mJ。

- 服装应正确穿戴，完全封闭，并通过直接接触皮肤或通过其他防静电个人防护装备（PPE）保持与皮肤的直接接触，以允许静电释放。在正常使用过程中，包括弯曲和移动时，服装应完全覆盖任何非导电性服装。
- 无特殊储存条件要求。防护服应存放在干燥、室温条件下，以防止霉变、虫蛀、阳光直射，并远离高温、热源和腐蚀性化学品。
- 存放在原包装密封袋中，置于正常条件下并远离强光。服装的预期保质期应大于10年。
- 该类型服装的测试基于在门襟处应用密封胶带。使用产品时，用户需根据实际情况自行判断是否需要应用胶带以满足使用要求。
- 穿戴一次性防护服时，请先检查是否有损坏，选择合适尺码，然后将双脚放入裤腿，拉至腰部，将手臂伸入袖子，再将防护服拉过肩膀。完全拉上拉链并固定所有翻盖或扣件。确保手腕、脚踝和头罩处贴合紧密，如需密封，请贴上密封胶带。按正确顺序穿戴其他所需个人防护装备（如手套、护目镜和呼吸器）。脱卸时，将外表面视为污染物，小心解开拉链，从肩膀处卷下，翻转至内侧。完全脱下防护服，避免接触外表面，并根据污染程度进行处置。脱卸后彻底洗手。

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