

# TECHNICAL DATA SHEET

## MicroMax TS Certificate 522981-1

**Product description** - Addition of taped seams to MicroMax® NS coverall – lightweight and flexible coverall for heavier Type 4 sprays of liquids.

**Fabric** - Microporous film laminate. 65 gsm. (White)

**Seam type** - Stitched and PE Taped.

**Style** - EMNT428 – Coverall with crotch, hood, zipper. Elastic cuffs, ankles, hood opening and waist.  
For other styles see overleaf.



### CE Certification

BS EN ISO 13688:2013  
BS EN ISO 13982-1:2004  
BS EN 14605:2005/A1:2009  
BS EN ISO 13034:2005  
BS EN 1073-2:2002  
BS EN 14126:2003  
BS EN 1149-5:2008

Protective clothing general requirements.  
Type 5 equipment for protection against from hazardous dry particles.  
Type 4 equipment for protection against liquid chemicals  
Type 6 equipment for protection against reduced Spray of liquid chemicals.  
Protective clothing against particulate radioactive contamination.  
Protection from biological hazards Type 4B, 5B and Type 6B  
Protective clothing. Electrostatic properties. Performance requirements.

### Mechanical Properties

EN 530  
EN ISO 7854 method B  
EN ISO 9073-4  
EN ISO 13934-1  
EN 863  
EN ISO 13935-2  
ISO 2960

### Test

Abrasion resistance  
Flex cracking resistance  
Tear resistance  
Tensile strength  
Puncture resistance  
Seam strength  
Burst Strength

### Result

>750 Cycles  
>10,000 Cycles  
MD = 58.07N / CD = 29.85N  
MD = 79.87N / CD = 34N  
>9.95N  
99N  
75.1 kPa

### Class

Class 3  
Class 6  
Class 2  
Class 2  
Class 1  
Class 3  
Class 1

### Protection against Liquid Chemicals EN ISO 6530

Sodium Hydroxide 10% (1310-73-2)  
Sulphuric Acid 30% (7664-93-9)  
Hydrochloric Acid 30% (7647-01-0)  
Butan-1-ol (71-36-3)  
o-Xylene (108-38-3)  
n-Heptane (142-82-5)

### Repellency

Class 3 - 99.1%  
Class 3 - 97.7%  
Class 3 - 96.7%  
Class 3 - 93.0%  
Class 3 - 91%  
Class 2 - 88.7%

### Penetration

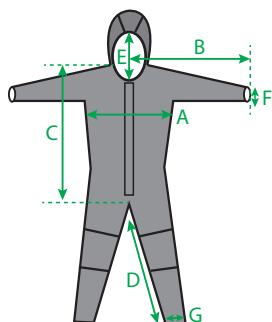
Class 3 - 0%  
Class 3 - 0%  
Class 3 - 0%  
Class 3 - 0%  
Class 3 - 0%  
Class 3 - 0%

### Chemical Permeation ISO6529/ASTMF739 Breakthrough Time

Sulphuric Acid 30% (7664-93-9) >45 mins  
Sodium Hydroxide 10% (1310-73-2) >480 mins

### Breakthrough Class\*

Class 2  
Class 6



### Garment Dimensions

Item	SML	MED	LRG	XL	XXL	XXXL
<b>A. Chest</b>	59.75	63	66	70	76	81
<b>B. Sleeve</b>	85	86	89	92	95	102
<b>C. Back Length</b>	92	93	97	102	106	113
<b>D. Inseam</b>	76	76	76	80	81	82
<b>E. Hood opening</b>	18-20	18-20	18-20	18-20	20-22	20-22
<b>F. Cuffs</b>	8-9	8-9	8-9	8-9	8-9	8-9
<b>G. Ankles</b>	14-15	14-15	14-15	14-15	14-15	14-15
<b>Barcode 5060522</b>	170006	170013	170020	170037	170044	170051

### Packaging and Other Information

- Individually packed in vacuum sealed bags
- 25 units per carton
- Store in normal conditions – cool and away from strong light
- Shelf life: 10 years



Download  
Declaration of Conformity

Version: 5.2.19

## MicroMax TS® Styles



Style code 428 Size: S - 3XL

Coverall with elasticated hood, cuffs, waist and ankles.



Style code L428 Size: S - 3XL

Coverall with elasticated hood, cuffs, waist and ankles. Thumb loops.



Style code 414 Size: S - 3XL

Coverall with elasticated hood, cuffs, waist and attached socks.



Style code L414 Size: S - 3XL

Coverall with elasticated hood, cuffs, waist and attached socks. Thumb loops.



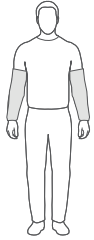
Style code 412 Size: M - XL

Coverall with collar, elasticated cuffs and waist. Thumb loops.



Style code 101 Size: S - 3XL

Lab coat with two hip pockets and four stud fastenings.



Style code 024 One size

Sleeves



Style code 023NS Size: L - XL

Overboots with anti-slip sole



Style code 021 One size

Cape hood.

Other styles are available, contact your Lakeland sales representative or distributor for details sales-europe@lakeland.com

Available in: White

## Super-B Style Design Features

Image shows MicroMax® NS Cool Suit >>

### 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 as well as fitting a respirator mask rim more effectively.

### 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 Lakeland garments require 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 taking stress away from the critical crotch area.



The Lakeland Super-B style coverall features a unique combination of:

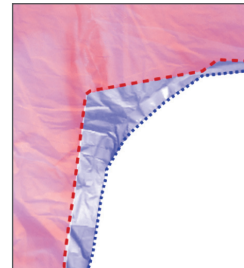
- 1) Three-piece hood 2) Inset sleeves 3) Diamond crotch gusset

This results in one of the best fitting, most wearable, most comfortable garments available ... and no need for uncomfortable thumb-loops!



### 4. Chest Label

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

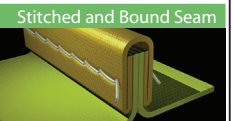
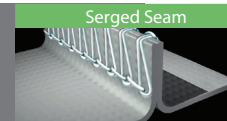


This image compares the body/arm shape of a Lakeland Super-B style coverall (in red) with a typical 'batwing' sleeve competitor coverall.

The Lakeland coverall shape follows the body, improving freedom of movement and reducing stress on crotch and sleeves.

## Type 5 & 6 Seams

Lakeland's Type 5 & 6 coveralls feature either serged or stitched and bound seams.



a member of



Notified Body: SATRA 2777 D15YN2P Product certification: BTG 0338 M17 1EG.  
 For further information see [www.lakeland.com/europe](http://www.lakeland.com/europe) or contact [sales-europe@lakeland.com](mailto:sales-europe@lakeland.com)  
 No information provided is intended to guarantee product suitability for any specific application:  
 It is always the user's final responsibility to ensure garment suitability.  
**Lakeland Industries Europe Ltd, Unit 9-10, Jet Park, Jet Park Way, Newport, East Yorkshire, HU15 2JU. UK**  
 Company Registration No: 4500660: For financial information see [www.lakeland.com/financial](http://www.lakeland.com/financial)

