

MICROGARD® 1500



Applications

- Asbestos Related Work
- Handling Powders
- General Maintenance
- Construction

MICROGARD® 1500 coveralls have been designed for workers involved in the stripping, clear up or handling of asbestos, general maintenance, construction and contract cleaning.



Features & Benefits

Protection - Proven to filter 100% of particles >3 microns*

Comfort - Air and water vapour permeable ("breathable") to help reduce the risk of heat stress

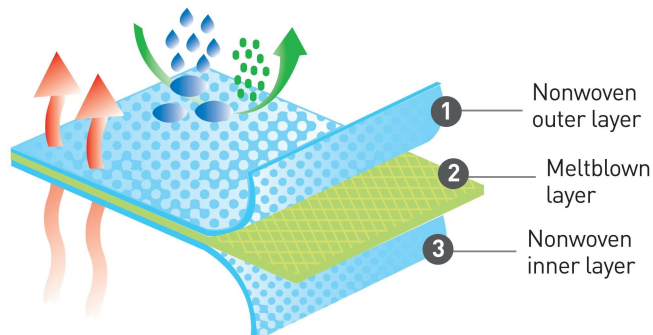
Silicone Free - Critical in spray painting applications

Optimised body fit - Improves wearer comfort and safety.

*JSTIIF particle penetration test

MICROGARD® 1500

Asbestos fibres, such as Chrysotile, are typically 3-5 microns in size. The SMS fabric used in the construction of MICROGARD® 1500 coveralls has been proven to filter 100% of particles larger than 3.0 microns*



Protection Levels & Additional Properties



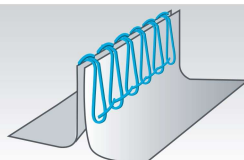
TYPE 5



TYPE 6

Stitched Seams

Combining strength with particle barrier



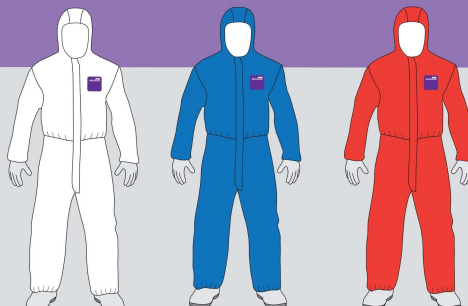
Model 138

Suit Features

- 3 piece hood
- Elasticated hood, wrists, waist and ankles
- 2-way front zipper with re-sealable storm flap

Sizes: S-3XL

Colours: White, Navy, Red



MICROGARD® 1500 Range Overview

MICROGARD® 1500

Used for the stripping, clear up or handling of asbestos, general maintenance, construction and contract cleaning.



▲ MICROGARD® 1500

MICROGARD® 1500 (White)

Fabric Filtration Efficiency*

Particle Size	%
0.3-0.5µm	98.7%
0.5-1.0µm	99.2%
1.0-3.0µm	99.7%
3.0-5.0µm	100%
>5.0µm	100%

* JSTIIF Test Method

MICROGARD® 1500 Technical Data

Test Method	White	Navy	Red	EN Class
EN 530 Abrasion	>10	>10	>10	1 of 6
EN ISO 7854 Flex Cracking	>15,000	>15,000	>15,000	4 of 6
EN ISO 9073-4 Tear Resistance (MD)	22.6N	>20N	>20N	2 of 6
EN ISO 9073-4 Tear Resistance (CD)	28.8N	>20N	>20N	
EN ISO 13934-1 Tensile Strength (MD)	96.3N	103N	100N	1 of 6
EN ISO 13934-1 Tensile Strength (CD)	58.7N	59.9N	55.4N	
EN 863 Puncture Resistance	9.87N	>5N	>5N	1 of 6
EN 13274-4 Resistance to ignition	Pass	Pass	Pass	-
ISO 13935-2 Seam Strength	109.9N	137N	113.6N	3 of 6

Fabric Repellence & Penetration Resistance to Liquid Chemicals

Repellence of Liquids	Result (%)	Result (%)	Result (%)	EN Class
- 30% Sulphuric Acid	99.1	97.8	97.6	3 of 3
- 10% Sodium Hydroxide	97.5	99.2	97.5	3 of 3
Resistance to penetration by liquids	Result (%)	Result (%)	Result (%)	EN Class
- 30% Sulphuric Acid	0	0	0	3 of 3
- 10% Sodium Hydroxide	0	0	0	3 of 3

MICROGARD® 1500 PLUS



Applications

- Asbestos related work
- Handling powders
- General maintenance
- Construction
- Pharmaceutical industries
- Wood and metal processing
- Touch-up paint spraying
- Fibreglass / resin applications / ceramic fibres

MICROGARD® 1500 PLUS is a highly breathable anti-static SMS fabric which utilises the latest developments in micro-fibre technology to ensure good filtration efficiency.



Features & Benefits

Protection - Proven to filter 99.9% of particles >3 microns*

Comfort - Air and water vapour permeable ('breathable') to help reduce the risk of heat stress

Silicone Free - Critical in spray painting applications

Anti-static - Tested according to EN 1149-1

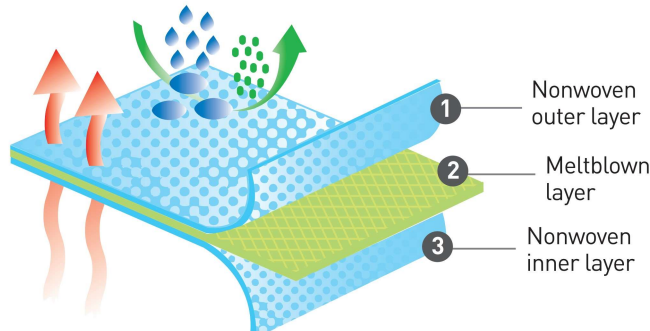
Optimized Body Fit - Improves wearer comfort and safety

*JSTIF particle penetration test

MICROGARD® 1500 PLUS

The SMS fabric used in the MICROGARD® 1500 PLUS coverall is highly breathable, making it ideal for operatives working in warmer environments.

SMS fabrics are a particularly good barrier against particulates such as, asbestos, brick dust and cement dust and will provide protection from light aerosol mists; as found in some paint spray environments.



Protection Levels & Additional Properties



TYPE 5



TYPE 6



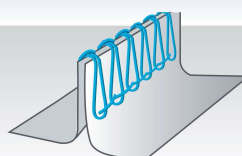
EN 1073-2



EN 1149-1

Stitched Seams

Combining strength with particle barrier



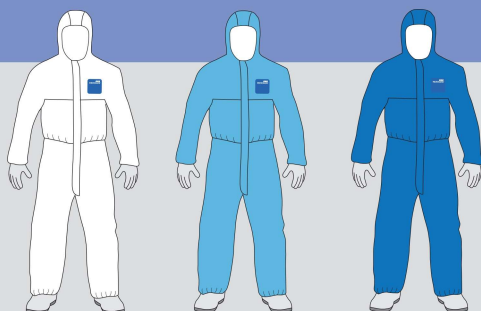
Model 111

Suit Features

- 3 piece hood
- Elasticated hood, wrists, waist and ankles
- 2-way front zipper with re-sealable storm flap
- Anti-static treatment

Sizes: S-3XL

Colours: White, Light Blue, Navy



MICROGARD® 1500 PLUS Technical Data

Test Method	White	EN Class	Light Blue	EN Class	Navy	EN Class
EN 530 Abrasion	>100	2 of 6	>10	1 of 6	>10	1 of 6
EN ISO 7854 Flex Cracking	100,000	6 of 6	15,000	4 of 6	40,000	5 of 6
EN ISO 9073-4 Tear Resistance (MD)	31.1N	2 of 6	32.2N	2 of 6	45.4N	2 of 6
EN ISO 9073-4 Tear Resistance (CD)	23.8N		47.6N		32.2N	
EN ISO 13934-1 Tensile Strength (MD)	77.9N	1 of 6	116N	2 of 6	98.1N	2 of 6
EN ISO 13934-1 Tensile Strength (CD)	49.2N		63.8N		69.6N	
EN ISO 13938-1 Burst Resistance	55.4kPa	1 of 6	75.5kPa	1 of 6	99.8kPa	2 of 6
EN 863 Puncture Resistance	9.6N	1 of 6	7.0N	1 of 6	7.85N	1 of 6
EN 13274-4 Resistance to ignition	Pass	-	Pass	-	Pass	-
EN 25978 Resistance to blocking	No blocking	-	No blocking	-	No blocking	-
EN 1149-1 Anti-Static	<5.0 x 10 ¹⁰	-	<5.0 x 10 ¹⁰	-	<5.0 x 10 ¹⁰	-
ISO 13935-2 Seam Strength	117.7N	3 of 6	123.8N	3 of 6	84.8N	3 of 6

Fabric Repellence & Penetration Resistance to Liquid Chemicals

Repellence of Liquids	Result (%)	EN Class	Result (%)	EN Class	Result (%)	EN Class
- 30% Sulphuric Acid	97.1	3 of 3	96.7	3 of 3	97.3	3 of 3
- 10% Sodium Hydroxide	95.2	3 of 3	99.3	3 of 3	95.8	3 of 3
Resistance to penetration by liquids	Result (%)	EN Class	Result (%)	EN Class	Result (%)	EN Class
- 30% Sulphuric Acid	0.1	3 of 3	0	3 of 3	0	3 of 3
- 10% Sodium Hydroxide	0	3 of 3	0	3 of 3	0	3 of 3

MICROGARD® 1500 PLUS Range Overview

MICROGARD® 1500 PLUS

Anti static suit, used for the stripping, clear up or handling of asbestos, general maintenance, construction and contract cleaning.



▲ MICROGARD® 1500 PLUS

MICROGARD® 1500 PLUS (White)

Fabric Filtration Efficiency*

Particle Size	%
0.3-0.5µm	97.8%
0.5-1.0µm	98.7%
1.0-3.0µm	99.4%
3.0-5.0µm	99.9%
>5.0µm	99.9%

* JSTIF Test Method