

MICROGARD® 2300 PLUS

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2300
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MICROGARD® 2300 PLUS is an entry level Type 3 chemical protective coverall for workers involved in environmental clean-up, general industrial and chemical handling applications.

MICROGARD® 2300 fabric is comprised of a polyethylene (PE) barrier coating with a bi-component nonwoven inner layer, the combination of which provides an excellent barrier to many harmful chemicals while being lightweight and yet relatively strong and durable.

MICROGARD® 2300 PLUS Coverall

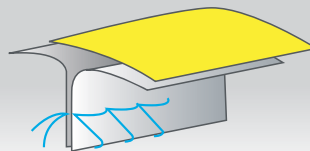


Protection Levels & Additional Properties



Stitched & Taped Seams

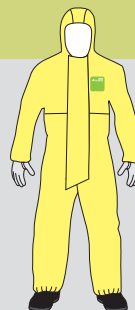
Internal stitching which is overtaped to offer increased strength and an effective barrier to liquids and particulates.



Model 132

Features & Benefits:

- **Protection** - Polycoated bi-component barrier resists permeation of numerous liquid chemicals
- **Highly visible** - Bright yellow for improved worker safety
- **Comfort** - Lightweight yet relatively strong and durable
- **Anti-static** - Tested according to EN 1149-5
- **Designed to protect** - Typical coverall features include respirator fit hood and a zip flap with self-adhesive tape closure
- 3-piece hood
- Elasticated hood, wrists, waist and ankles
- 2-way front zipper with resealable storm flap
- Finger loops



Sizes: S-5XL Colour: Yellow



3-piece hood



Finger Loops



2-way front zip

Applications

- Environmental clean-up
- Sewage purification installations
- Industrial and Chemical manufacturing
- Industrial Cleaning

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MICROGARD®
High Performance Protection in Comfort

MICROGARD® 2300 Technical Data

MICROGARD® 2300 is extensively tested in accordance with statutory requirements, including physical performance attributes and barrier to hazardous substances. The following tables outline the results obtained in independent laboratories according to European test methods.

Test Method	White Result	EN Class (EN14325)	Yellow Result	EN Class (EN14325)
EN 530 Abrasion	>1,000	4 of 6	>10	1 of 6
EN ISO 7854 Flex Cracking	>100,000	6 of 6	>1,000	1 of 6
EN ISO 9073-4 Tear Resistance (MD)	>20N	1 of 6	>60N	3 of 6
EN ISO 9073-4 Tear Resistance (CD)	>60N		>40N	
EN ISO 13934-1 Tensile Strength (MD)	>60N	2 of 6	>100N	2 of 6
EN ISO 13934-1 Tensile Strength (CD)	>60N		>60N	
EN 863 Puncture Resistance	>5N	1 of 6	>5N	1 of 6
EN 1149-5 Electrostatic Properties (Surface resistivity)	<2.5 x 10 ⁹	-	<2.5 x 10 ⁹	-
ISO 13935-2 Seam Strength	>75N	3 of 6	>75N	3 of 6

EN ISO 6529: 2001 Chemical Permeation Barrier*			
Chemical	CAS Number	BT at 1.0 µg/cm ² /min	EN Class (EN 14325: 2004)
Sodium Hydroxide (40 wt%)	1310-73-2	>480	6 of 6
Sulphuric Acid (conc.)	7664-93-9	>480	6 of 6

*For an up to date list of chemicals tested please visit www.microgard.com or email the Microgard Technical Team at technical@microgard.com.

The following table sets out MICROGARD® 2300 performance for resistance to chemical penetration in accordance with EN ISO 6530.

Fabric Repellence & Penetration - Resistance to Liquid Chemicals	White Result (%)	EN Class	Yellow Result (%)	EN Class
Repellence of Liquids - 30% Sulphuric Acid	>95	3 of 3	>95	3 of 3
Repellence of Liquids - 10% Sodium Hydroxide	>90	2 of 3	>95	3 of 3
Repellence of Liquids - o-Xylene	>90	2 of 3	>95	3 of 3
Repellence of Liquids - Butan-1-ol	>95	3 of 3	>95	3 of 3
Resistance to penetration by liquids- 30% Sulphuric Acid	0.0	3 of 3	0.0	3 of 3
Resistance to penetration by liquids 10% Sodium Hydroxide	0.0	3 of 3	0.0	3 of 3
Resistance to penetration by liquids - o-Xylene	0.0	3 of 3	0.0	3 of 3
Resistance to penetration by liquids - Butan-1-ol	0.0	3 of 3	0.0	3 of 3

MICROGARD® 2300 when tested in accordance with EN 14126:2003 demonstrates an excellent barrier to infective agents.

EN14126: 2003 - Barrier to Infective Agents	Result	EN Class
ISO 16603 Resistance to penetration by blood/fluids under pressure	Pass to 20kPa	Class 6 of 6
ISO 16604 Resistance to penetration by blood borne pathogens	Pass to 20kPa	Class 6 of 6
EN ISO 22610 Resistance to wet bacterial penetration (mechanical contact)	No penetration (up to 75 mins)	Class 6 of 6
ISO/DIS 22611 Resistance to biologically contaminated aerosols	No penetration	Class 3 of 3
ISO 22612 Resistance to dry microbial penetration	No penetration	Class 3 of 3

MICROGARD® 2300 products have been extensively tested according to European and International requirements, including ASTM, for both physical and barrier performance. More details can be found on our website www.microgard.com

Note: Unless specified test results and EN 14325 classification apply to all fabric colours.