

**MICROCHEM**<sup>®</sup>  
by AlphaTec™

**1500**

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by AlphaTec™  
**1500**



**MICROCHEM<sup>®</sup> by AlphaTec™ 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 vapor permeable ("breathable") to help reduce the risk of heat stress

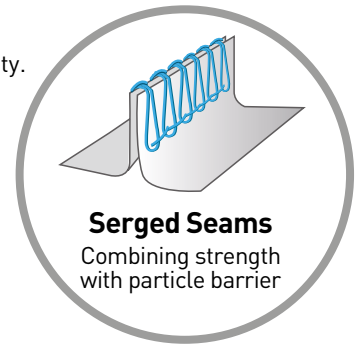
**Silicone Free** - Critical in spray painting applications

**Optimized body fit** - Improves wearer comfort and safety.

\*JSTIIF particle penetration test

### Applications

- Asbestos related work
- Handling powders
- General maintenance
- Construction



### Protection Levels & Additional Properties



TYPE 5



TYPE 6

CAUTION: This product contains natural rubber latex which may cause allergic reactions.

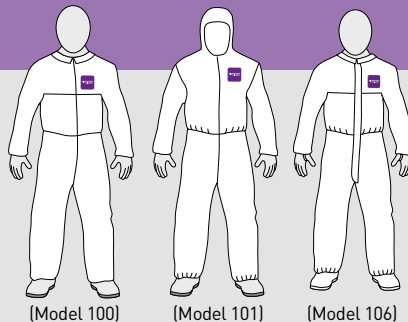
### Style 68-1500

#### Suit Features

- Collar (Model 100)
- 3 piece hood (Model 101)
- 3 piece hood & attached boots (Model 106)
- Elasticated hood, wrists and ankles
- 2-way front zipper with storm-flap

**Sizes:** S-5XL (02-09)

**Color:** White



(Model 100)

(Model 101)

(Model 106)

#### Overboots

- SURESTEP sole
- Elasticated at ankle and top of overboot



**Sizes:** 8-12 and 12-14

(Model 422)

**Colors:** White with blue SURESTEP sole

CATALOG #: Model 100: **WH15-S-92-100** | Model 101: **WH15-S-92-101** | Model 106: **WH15-S-92-106** | Model 422: **WH15-S-92-422**

MICROCHEM by AlphaTec - Ansell - North America

111 Wood Avenue, Suite 210, Iselin, NJ 08830

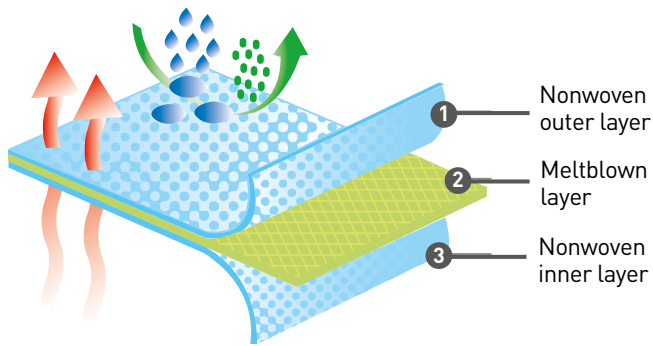
USA: 1-800-800-0444 Canada: 1-800-363-8340

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# Technical Data



Asbestos fibers, such as Chrysotile, are typically 3-5 microns in size. The SMS fabric used in the construction of 68-1500 coveralls has been proven to filter 100% of particles larger than 3.0 microns\*

68-1500 (White)	
Fabric Filtration Efficiency*	
Particle Size	%
0.3-0.5 $\mu\text{m}$	98.7
0.5-1.0 $\mu\text{m}$	99.2
1.0-3.0 $\mu\text{m}$	99.7
3.0-5.0 $\mu\text{m}$	100
>5.0 $\mu\text{m}$	100

\* JSTIIF Test Method

Fabric Physical Properties	Test Method	Units	Results**
Tensile strength (MD)	ASTM D5034	lbs	41.0
Tensile strength (CD)			22.9
Tear resistance (MD)	ASTM D5733	lbs	17.3
Tear resistance (CD)			10.1
Burst strength	ASTM D3787	lbs	23
Flame spread	16 CFR §1610	sec	IBE
		(class)	(1)
Barrier Properties	Test Method	Units	Results**
Fabric Hydrohead (Resistance to water penetration)	ISO 20811	cm H <sub>2</sub> O	>50
Fabric Particle filtration efficiency (>3 $\mu\text{m}$ particle size)	JSTIIF	% filtered	100
Whole suit particle inward leakage***	ISO 13982-2	% TIL	2.3
Comfort Properties	Test Method	Units	Results**
Air permeability	ASTM D737	ft <sup>3</sup> /min/ft <sup>2</sup>	43.8
Moisture vapor transmission	ASTM E96, Method B	g/m <sup>2</sup> -24 hr	1399

\*\* Unless specified the test data is applicable to the white version only. For test results on other colors please contact [customerserviceus@ansell.com](mailto:customerserviceus@ansell.com)

\*\*\* Whole suit particle inward leakage testing performed with self-adhesive tape sealing the full face respirator, gloves and boots to the coverall and additional tape applied over the zipper flap. Particle size range of 0.02-2 microns with a mass median of 0.6 microns. Data for model 111 coveralls. Result for other models may vary. Please contact the Ansell technical team for information on a specific model at [customerserviceus@ansell.com](mailto:customerserviceus@ansell.com)

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