



Ansell

PRODUCT CATALOGUE

**CHEMICAL AND FLAME
RETARDANT PROTECTION**

LIMITED/SINGLE USE SOLUTION

www.ansell.com

AlphaTec®

ABOUT ANSELL

Ansell is a global safety solutions leader and integrated manufacturer of personal protection equipment committed to sustainable business and manufacturing practices.

Our innovative products and services go beyond protection to improve performance, predict potential risks and prevent safety incidents.

By helping organizations stay two steps ahead of challenges — from workplace safety to work practice sustainability — **Ansell is leading the world to a safer future.**



AlphaTec®

1500 PLUS FR - MODEL 111

AlphaTec® 1500 PLUS FR is a highly breathable, flame-retardant and anti-static SMMS polypropylene nonwoven designed for protection from particulates and light, non-flammable liquid spray or splash.*

KEY FEATURES & BENEFITS

- Flame-retardant and anti-static SMMS nonwoven provides a good barrier to particulate and low hazard liquid sprays or splashes
- Air and water vapour permeable (breathable) to help reduce the risk of heat stress
- Optimised body fit ensures full freedom of movement when worn over heat and flame protective clothing (EN ISO 14116 Index 2 or above)
- Anti-static, tested according to EN 1149-5
- Latex-free elastic
- Model 111 coverall features a 3-piece hood, 2 way front zipper with re-sealable storm flap, finger loops. Elasticated hood, waist, wrists and ankles. Anti-static treatment

* AlphaTec® 1500 PLUS FR should never be worn in isolation for flame retardant protection. Always wear over the top of garments which achieve EN ISO 14116 Index 2 or above.



RECOMMENDED FOR

- General pumping work
- Warehousing of raw materials
- Preparation of site - set-up and disassembly of tool string
- Chemical handling
- Environmental clean-up and remediation

PRIMARY INDUSTRIES

Life Sciences | Mining | Chemical | Fire and Rescue | Oil and Gas

STANDARDS & CERTIFICATION

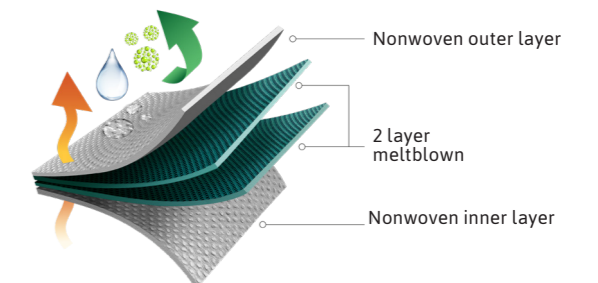
- PPE Category III



Product material	SMMS fabric with fire-retardant and anti-static treatment
Seam type	Stitched seams (S)
Colour	White with red seams (WR)
Size	S - 5XL (02 - 09)
Style	W17S111
Part No. / SKU	WR17-S-00-111-0X*
Packaging	40 per case (size S to XL), 30 per case (size 2XL to 5XL)

* 0X - refers to sizes, S - 5XL (02 - 09)

PRODUCT MATERIAL CONSTRUCTION



TECHNICAL DATA (SUIT MATERIAL)

Physical Properties - EN 14325:2004			
Test Method		Result	EN Class
Abrasion Resistance Method 2	EN 530	>10 Cycles	1 of 6
Flex Cracking Method B	EN ISO 7854	>100,000 Cycles	6 of 6
Tear resistance (MD)	EN ISO 9073-4	>60 N	2 of 6
Tear resistance (CD)		>20 N	
Tensile strength (MD)	EN ISO 13934-1	>100 N	2 of 6
Tensile strength (CD)		>60 N	
Puncture resistance	EN 863	>5 N	1 of 6
Seam Strength	EN ISO 13935-2	>75 N	3 of 6

Additional Testing			
Test Method		Result	EN Class
Anti-static Properties (EN 1149-5)	EN 1149-3 (Charge Decay)	t ₅₀ <4 s	Pass
Resistance to Ignition	EN 13274-4	Pass	
Limited Flame Spread (EN ISO 14116)	EN ISO 15025	Index 1	
Tear Resistance (EN ISO 14116)	EN ISO 13937-2	>75 N	

Fabric Repellence & Penetration to Liquid Chemicals - EN 14325:2004			
Fabric Repellence of Liquids			
Test Chemical	Test Method	Result %	EN Class
Sulphuric Acid (30% w/w)	EN ISO 6530	>90	2 of 3
Sodium Hydroxide (10% w/w)		>95	3 of 3
Fabric Penetration Resistance of Liquids			
Sulphuric Acid (30% w/w)	EN ISO 6530	<1	3 of 3
Sodium Hydroxide (10% w/w)		<1	3 of 3

AlphaTec®

FR - MODEL 111

Innovative, breathable flame retardant technology, Type 5/6 protection.

KEY FEATURES & BENEFITS

- Multi-hazard protection from light liquid chemical spray without compromising wearer safety in the event of a flash fire*
- Flame retardant treated Sontara/wood pulp/polyester fabric with good barrier protection
- Offers protection from particulates to Type 5 and low level liquid spray to Type 6
- Comfortable to wear featuring moisture vapour permeable fabric ("breathable") to help reduce the risk of heat stress
- Optimised body fit, improving wearer comfort and safety
- Model 111 coverall features a 2-piece hood, elasticated hood, waist, wrist and ankles. External overlapped seams.

* AlphaTec® FR should never be worn in isolation for flame retardant protection. Always wear over the top of garments which achieve EN ISO 14116 Index 2 or above.

RECOMMENDED FOR

- Contaminated environments
- Chemical handling
- Filling, blending and charging of raw materials
- Transferring liquids and solids
- Opening and draining pumps, valves or lines
- Raw material sample collection
- Loading & unloading of process equipment
- Concentration mixing & palletisation
- Assembly and disassembly of large pipes
- Hazmat response

PRIMARY INDUSTRIES

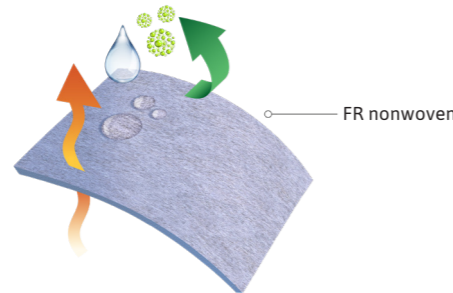
Chemical | Oil and Gas

STANDARDS & CERTIFICATION

- PPE Category III



PRODUCT MATERIAL CONSTRUCTION



Product material	Flame retardant treated Sontara/ wood pulp/polyester
Seam type	Stitched seams (S)
Colour	Blue (BL)
Size	S - 5XL (02 - 09)
Style	B95S111
Part No. / SKU	BL95-S-00-111-0X*
Packaging	30 per case (size S to XL) 25 per case (size 2XL to 5XL)

TECHNICAL DATA (SUIT MATERIAL)

Physical Properties - EN 14325:2004			
Test Method		Result	EN Class
Abrasion Resistance	EN 530	>1,500 Cycles	5 of 6
Flex Cracking	EN ISO 7854	>100,000 Cycles	6 of 6
Tear resistance (MD)		>60 N	2 of 6
Tear resistance (CD)	EN ISO 9073-4	>30 N	
Tensile strength (MD)		>100 N	2 of 6
Tensile strength (CD)	EN ISO 13934-1	>60 N	
Puncture resistance	EN 863	>10 N	2 of 6
Seam Strength	EN ISO 13935-2	>125 N	4 of 6

Additional Testing			
Test Method		Result	EN Class
Anti-static Properties (EN 1149-5)	EN 1149-3 (Charge Decay)	t ₅₀ < 4 s	Pass
Resistance to Ignition	EN 13274-4	Pass	
Limited Flame Spread (EN ISO 14116)	EN ISO 15025	Index 1	

Fabric Repellence & Penetration to Liquid Chemicals - EN 14325:2004			
Fabric Repellence of Liquids			
Test Chemical	Test Method	Result %	EN Class
Sulphuric Acid (30% w/w)	EN ISO 6530	>95	3 of 3
Sodium Hydroxide (10% w/w)		>95	3 of 3
Fabric Penetration Resistance of Liquids			
Sulphuric Acid (30% w/w)	EN ISO 6530	<1	3 of 3
Sodium Hydroxide (10% w/w)		<1	3 of 3

AlphaTec®

CFR

AlphaTec® CFR is a flame-retardant material designed to be worn over a thermal protective garment*, offering protection from particulates and pressurised liquid spray without compromising worker protection in the event of a flash fire.

KEY FEATURES & BENEFITS

- Multi-hazard protection from chemical spray without compromising wearer safety in the event of a flash fire*
- Flame retardant treated fabric with PVC barrier film protection
- Offers protection from pressurised liquid spray to EN Type 3 & 4 and particulates to EN Type 5
- Latex-free elastic
- Highly visible bright red colour to improve worker safety

* AlphaTec® CFR should never be worn in isolation for flame retardant protection. Always wear over the top of garments which achieve EN ISO 14116 Index 2 or above.

RECOMMENDED FOR

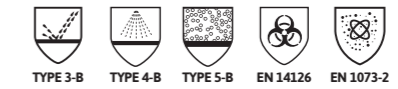
- Contaminated environments
- Chemical handling
- Filling, blending and charging of raw materials
- Transferring liquids and solids
- Opening and draining pumps, valves or lines
- Raw material sample collection
- Loading & unloading of process equipment
- Concentration mixing & palletisation
- Assembly and disassembly of large pipes
- Hazmat response

PRIMARY INDUSTRIES

Life Sciences | Mining | Chemical | Fire and Rescue | Oil and Gas

STANDARDS & CERTIFICATION

- PPE Category III



Product material	Flame-retardant treated fabric with PVC barrier film protection
Seam type	Stitched & taped seams (T)
Colour	Red (RD)
Size	S - 5XL (02 - 09)

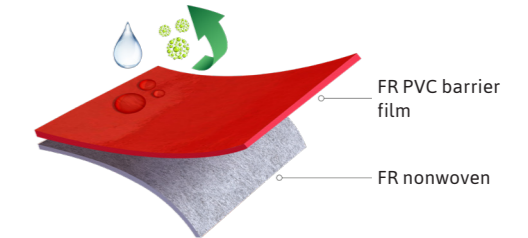


MODELS AVAILABLE

MODEL 103	MODEL 111
<ul style="list-style-type: none"> Coverall with collar 	<ul style="list-style-type: none"> Coverall with 2-piece hood
STYLE: R96T103 PART NO. / SKU: RD96-T-00-103-0X*	STYLE: R96T111 PART NO. / SKU: RD96-T-00-111-0X*
SIZES: S - 5XL PACKAGING: 25 per case (size S to XL) 20 per case (size 2XL to 3XL) 15 per case (size 4XL to 5XL)	SIZES: S - 5XL PACKAGING: 25 per case (size S to XL) 20 per case (size 2XL to 3XL) 15 per case (size 4XL to 5XL)

* 0X - refers to sizes, S - 5XL (02 - 09)

PRODUCT MATERIAL CONSTRUCTION



TECHNICAL DATA (SUIT MATERIAL)

Physical Properties - EN 14325:2004			
Test Method		Result	EN Class
Abrasion Resistance	EN 530	>2,000 Cycles	6 of 6
Flex Cracking	EN ISO 7854	>5,000 Cycles	3 of 6
Tear resistance (MD)		>60 N	2 of 6
Tear resistance (CD)	EN ISO 9073-4	>20 N	
Tensile strength (MD)		>100 N	3 of 6
Tensile strength (CD)	EN ISO 13934-1	>100 N	
Puncture resistance	EN 863	>10 N	2 of 6
Seam Strength	EN ISO 13935-2	>125 N	4 of 6

Additional Testing			
Test Method		Result	EN Class
Anti-static Properties (EN 1149-5)	EN 1149-3 (Charge Decay)	t ₅₀ < 4 s	Pass
Resistance to Ignition	EN 13274-4	Pass	
Limited Flame Spread (EN ISO 14116)	EN ISO 15025	Index 1	

Chemical Permeation Performance - EN 14325:2018				
Test Chemical	CAS No.	Test Method	BT _{1.0} (mins)	EN Class (EN 14325)
Hydrofluoric Acid (48% w/w)	7664-39-3	ISO 6529	199	4 of 6
Phosphoric Acid (≥ 85% w/w)	7664-38-2		> 480	6 of 6
Sodium Hydroxide (40% w/w)	1310-73-2		>480	6 of 6

Barrier to Infective Agents - EN 14126:2003			
Test Method		Result	EN Class
Resistance to penetration by synthetic blood	ISO 16603	Pass to 20 kPa	6 of 6
Resistance to penetration by blood borne pathogens	ISO 16604	Pass to 20 kPa	6 of 6
Resistance to wet bacterial penetration (mechanical contact)	EN ISO 22610	No penetration (up to 75 min)	6 of 6
Resistance to biologically contaminated aerosols	ISO/DIS 22611	No penetration	3 of 3
Resistance to dry microbial penetration	ISO 22612	No penetration	3 of 3

AlphaTec®

4000 CFR - MODEL 111

AlphaTec® 4000 CFR is a multi-hazard solutions suit that combines exceptional chemical and flame retardant protection.

KEY FEATURES & BENEFITS

- Multi-hazard chemical and flame retardant protection without compromising wearer safety by limiting flame spread in the event of a flash fire*
- Limited flame spread EN ISO 14116 Index 1
- Proved 8-hour barrier against many chemicals including non-flammable, flammable and aggressive solvents
- Latex-free elastic
- High visibility bright orange coloured fabric, conforming to chromaticity and luminance requirements as found in EN ISO 20471, with an optimised body fit, improving wearer comfort and safety
- Model 111 coverall features a 2 piece hood, elasticated hood, waist, wrists, ankles, double zip flap closure

* AlphaTec® 4000 CFR should never be worn in isolation for flame retardant protection. Always wear over the top of garments which achieve EN ISO 14116 Index 2 or above.

RECOMMENDED FOR

- Chemical processing and preparation
- Repair and maintenance
- Petroleum distribution and processing
- Hazmat response

PRIMARY INDUSTRIES

Chemical | Fire and Rescue | Oil and Gas

STANDARDS & CERTIFICATION

- PPE Category III



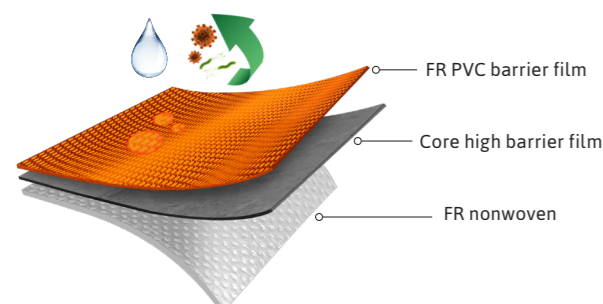
FEATURED TECHNOLOGIES



Product material	Polyolefin-based core barrier laminate with FR nonwoven inner & FR outer barrier film
Seam type	Stitched & taped seams (T)
Colour	Orange (OR)
Size	XS - 5XL (01 - 09)
Style	O47T111
Part No. / SKU	OR47-T-00-111-0X*
Packaging	30 per case (size S to M), 15 per case (size L to 3XL), 12 per case (size 4XL to 5XL)

* 0X - refers to sizes, XS - 5XL (01 - 09)

PRODUCT MATERIAL CONSTRUCTION



AnsellGUARDIAN®

Visit: www.ansellguardianchemical.com for online chemical resistance database or contact your representative for support in selecting a suitable hand & body protection combination.

AlphaTec®

4000 CFR - TECHNICAL DATA

Physical Properties - EN 14325:2004			
Test Method		Result	EN Class
Abrasion Resistance	EN 530	>2,000 Cycles	6 of 6
Flex Cracking	EN ISO 7854	>15,000 Cycles	4 of 6
Tear resistance (MD)	EN ISO 9073-4	>60 N	3 of 6
Tear resistance (CD)		>40 N	
Tensile strength (MD)	EN ISO 13934-1	>100 N	3 of 6
Tensile strength (CD)		>100 N	
Puncture resistance	EN 863	>10 N	2 of 6
Seam Strength	EN ISO 13935-2	>125 N	4 of 6

Chemical Permeation Performance - EN 14325:2004						
Fabric Repellence of Liquids						
Test Chemical	CAS No.	Test Method	BT _{1.0} (mins) (Fabric)	EN Class (Fabric)	BT _{1.0} (mins) (Seam)	EN Class (Seam)
Sulphuric Acid (96%)	7664-93-9	ISO 6529	>480	6 of 6	>10	1 of 6
Toluene	108-88-3		>480	6 of 6	>10	1 of 6

Additional Testing			
Test Method		Result	EN Class
Anti-static Properties (EN 1149-5)	EN 1149-3 (Charge Decay)	t ₅₀ < 4 s	Pass
Resistance to Ignition	EN 13274-4	Pass	
Limited Flame Spread (EN ISO 14116)	EN ISO 15025	Index 1	

Barrier to Infective Agents - EN 14126:2003			
Test Method		Result	EN Class
Resistance to penetration by synthetic blood	ISO 16603	Pass to 20 kPa	6 of 6
Resistance to penetration by blood borne pathogens	ISO 16604	Pass to 20 kPa	6 of 6
Resistance to wet bacterial penetration (mechanical contact)	EN ISO 22610	No penetration (up to 75 min)	6 of 6
Resistance to biologically contaminated aerosols	ISO/DIS 22611	No penetration	3 of 3
Resistance to dry microbial penetration	ISO 22612	No penetration	3 of 3





For more information, contact your Ansell representative or visit www.ansell.com

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Silicone-free** - Excluding threads and zippers obtained from our suppliers, which may contain trace quantities of silicone oil. We do not use silicone oil during our own manufacturing processes for AlphaTec protective clothing and accessories.

PRODUCT DISCLAIMER AND WARNING: Products containing natural rubber latex may cause allergic reactions in some individuals. Products that provide "cut resistance" and "cut protection" or "puncture resistance" and "puncture protection" do not completely prevent or eliminate the potential for cuts or punctures, and are not intended or tested to provide protection against powered blades, serrated or other sharp or rotating equipment. Products that provide "abrasion resistance" or "abrasion protection" do not completely prevent or eliminate the potential for abrasion-related injuries. Products that provide "resistance" to oil or grease or which are "oil repellent" do not completely prevent or eliminate the potential for oil or liquid penetration or absorption. Products that provide "snag resistance" or "snag protection" do not completely prevent or eliminate the potential for snags or friction-related injuries. Products that provide protection against sparks or flame are not "fire-proof" and do not completely prevent or eliminate the potential for burns or associated injuries. Products that provide protection or resistance against heat or cold are not intended for use in extreme temperatures - use only as specified.

Products that provide "chemical resistance" or "chemical protection" do not completely prevent or eliminate the potential for injury due to chemical exposure, and where specific chemical permeation times are provided, they are based on laboratory environments that may differ from a user's worksite. Users should test chemical protective products against the particular environments and chemicals where the product is to be used.

Users are encouraged to always use caution and care when handling sharp or abrasive materials, chemicals, or other hazardous or dangerous substances. Any information or data provided is based upon Ansell's current knowledge and understanding of the subject matter, and is offered solely as a possible suggestion for use in making your own decisions or product choices. Product users should conduct all appropriate testing or other evaluations to determine the suitability of Ansell products for a particular purpose or use within a particular environment. Ansell may revise this information as new information, knowledge or experience becomes available. ANSELL DISCLAIMS ALL WARRANTIES OTHER THAN AS EXPRESSLY PROVIDED. According to current OSHA regulations, the employer has the final responsibility for selecting gloves and other personal protective equipment.