



## All protective garments under the heading of PPE (Personal Protective Equipment) are controlled in Europe under CE Directive 89/686/EEC.

Portwest has an extensive range of clothing that complies with category 3 of this directive. EN Standards associated with BizTex®:



TYPE 6  
EN 13034 : 2005

### EN13034 (Type 6):

Reduce Spray suit. This specifies the minimum requirements for chemical protective clothing resistant to limited use of liquid chemicals sprays and splashes that are not directional or built up on the suit but there maybe a fine mist of droplets in the atmosphere.



TYPE 5  
EN 13982-1 : 2004

### ENISO 13982 – 1 (Type 5):

Dry particle suit. This specifies the minimum requirements for chemical protective clothing resistant to penetration by air borne solid particles, protects against hazardous dust and dry particles.



EN 14126 :  
2003 (E)

### EN14126: 2003:

This specifies the requirements and test methods for limited use protective clothing providing protection against infective agents



ANTI-STATIC  
EN 1149-1 : 1995

### EN1149-1:

Electrostatic requirements - surface resistivity (test methods and requirements). This tests for the removal of electrostatic to avoid sparks that could cause fire/hazard to the wearer.

### BizTex® Microporous Fabric: Weight 63g



Consists of a polypropylene substrate to which a laminated microporous polyethylene film is applied (PP/PE). The outer layer of fabric prevents the passage of liquid molecules inwards yet permits the vapour molecules that build up inside to pass out. This ensures that garment is breathable therefore allowing the user to stay fresh and comfortable. This fabric has the added feature of having an anti static coating that provides protection against electrostatic buildup. This fabric is certified to the following standards:

- EN13034 (Type 6)
- EN ISO 13982-1 (Type 5)
- EN1149-1
- EN14126:2003

### BizTex® SMS Fabric: Weight 55g



Is an integrated three layer polypropylene construction - SMS spunbond / meltblown / spunbond (SMS) giving a breathable barrier. This trilaminate constructed fabric, offers a high tensile strength and toughness. It provides a fluid and particulate barrier to protect the worker without hindering mobility and comfort. Garments constructed with this fabric are strong and durable, yet offer outstanding comfort, breathability, softness, and wearability. This fabric is certified to the following standards:

- EN ISO 13982-1 (Type 5)
- EN13034 (Type 6)

#### PERFORMANCE CHART FOR GARMENTS CONSTRUCTED FROM BizTex® Microporous fabric, BizTex® SMS fabric

PHYSICAL FABRIC TESTS			BizTex® SMS fabric	BizTex® Microporous fabric
The fabric used in these garments is designated BizTex® SMS fabric, BizTex® Microporous fabric			CLASS	CLASS
Abrasion Resistance	EN530	Class 1 (min) - 6 (max)	1	2
Flex Cracking Resistance	ISO 7854 B		4	5
Trapezoidal Tear Resist.	ISO 9073-4 MD	Class 1 (min) - 5 (max)	1	3
	ISO 9073-4 XD	Class 1 (min) - 5 (max)	2	1
Tensile Strength	ISO 13934-1 MD	Class 1 (min) - 5 (max)	2	1
	ISO 13934-1 XD	Class 1 (min) - 5 (max)	1	3
Resistance to ignition	EN13274-4		pass	pass
Puncture resistance	EN863	Class 1 (min) - 3 (max)	1	1
Seam Strength	ISO 13935-2	Class 1 (min) - 5 (max)	4	3

CHEMICAL FABRIC TESTS:		BizTex® SMS fabric		BizTex® Microporous fabric	
Resistance to chemical penetration EN368					
		Repellency Class	Penetration Class	Repellency Class	Penetration Class
Sulphuric acid 30%		3	3	3	3
Sodium Hydroxide 10%		3	3	3	3
Isopropanol		0	0	3	3

*Generous sizing  
and fit!*

Coveralls - Type 6/5  
Fully Certified

Two way zip and  
sealable front flap



ST40

Coveralls - Type 5/6  
Fully Certified

ST30

## Our best selling hazard workwear...

### ST40: BizTex® Microporous Coverall type 6/5

Certified to EN13034 (Type 6), ENISO13982-1 (Type 5), EN1149-1, EN14126:2003

Our experts understand what is important in a protective garment. The spacious design of the ST40 is guaranteed to fit better and not limit job performance. By offering an increased range of movement without compromising the safety element of the coverall users agree this is one of the best type 6/5 garments available. The lightweight construction offers increased protection due to the Microporous polyethylene film that is applied. Elasticated hood, legs, cuffs and waist, along with a two-way front zip and sealable front flap complete this excellent product.

**Material:** BizTex® Microporous  
**Colour:** White  
**Sizes:** S-XXL



### ST30: BizTex® SMS Coverall type 5/6

Certified to ENISO13982-1 (Type 5), EN13034 (Type 6)

One of the best value for money SMS coveralls in the market, the large fit allows unrestricted work and makes it easier to put on over work clothes. Excellent test results on the seam strength and cracking resistance show the coverall's durability. An outstanding coverall offering elasticated hood, legs, cuffs and waist.

**Material:** BizTex® SMS  
**Colour:** White, Red, Navy  
**Sizes:** White S-XXL,  
Red, Navy M-XXL



ST46

**ST46: BizTex® Microporous Hood type 6PB**

Cape style hood with an elasticated face opening allowing unrestricted vision. The extra length to the back covers the shoulders for a more secure barrier protection. Supplied in one universal size. This fabric conforms to EN14126-Biological Protection and EN1149-1 Anti-Static Protection.

**Material:** BizTex® Microporous  
**Colour:** White  
**Sizes:** One size fits all

Inner packs of 50 pieces per bag



*The ultimate in hazard protection*

## High level hazard protection...

ST42

**ST42:**  
**BizTex® Microporous**  
**Apron type 6PB**

Ideal for food preparation and lab work, this generously sized apron provides limited splash protection for partial body in accordance with EN13034. This fabric conforms to EN14126-Biological Protection and EN1149-1 Anti-Static Protection.

**Material:** BizTex® Microporous  
**Colour:** White  
**Sizes:** One size fits all

Inner packs of 50 pieces per bag


**ST31:**  
**BizTex® SMS Coat**  
**type 6PB**

A popular type 5/6 coat that is designed to be put on quickly and easily whilst fitting comfortably over a T-shirt or sweatshirt. It offers protection against fluids and airborne particles, the ST31 is strong and durable, yet breathable and soft. Complete with stud front closing.

**Material:** BizTex® SMS  
**Colour:** White  
**Sizes:** L - XXL



ST31



SMS fabric swatch

ST44

**ST44:**  
**BizTex®**  
**Microporous**  
**Shoe Cover type**  
**6PB**

These protective overshoes are designed for use in all work environments where shoes or floors need protecting. Elastic finish to top of shoe ensures a secure fit. This fabric conforms to EN14126-Biological Protection and EN1149-1 Anti-Static Protection.

**Material:** BizTex® Microporous  
**Colour:** White  
**Sizes:** One size fits all

Inner packs of 50 pieces per bag



ST43

**ST43:**  
**BizTex® Microporous Sleeve Cover type**  
**6PB**

The ST43 sleeve cover is breathable for wearer comfort. Elasticated at both ends to ensure no liquids or airborne particles can penetrate the barrier, this product has a much more relaxed fit than many of its competitors. This fabric conforms to EN14126-Biological Protection and EN1149-1 Anti-Static Protection.

**Material:** BizTex® Microporous  
**Colour:** White  
**Sizes:** One size fits all

Inner packs of 50 pieces per bag



ST45

**ST45:**  
**BizTex® Microporous Boot Cover**  
**type 6PB**

Elastic to the top of the cover allows for a safe barrier around the boot. These protective covers are designed for use in all work environments where footwear or floors need protection. This fabric conforms to EN14126-Biological Protection and EN1149-1 Anti-Static Protection.

**Material:** BizTex® Microporous  
**Colour:** White  
**Sizes:** One size fits all

Inner packs of 50 pieces per bag



**ST11: Coverall PP 40g**

This is a lightweight coverall made from a breathable non-woven polypropylene fabric, enabling the user to keep cool while wearing the garment. The generous size design provides for exceptional comfort and shields against non-hazardous dirt, dust and grime.

**Material:** Polypropylene  
**Colour:** White, Navy  
**Sizes:** S - 3XL



ST11

