

## Product Data Sheet

### CHEM-TECH® Chemical Splash Protective Clothing

CHEM-TECH® Chemical Splash protective clothing allows your body to 'breathe' so your sweat can evaporate, reducing the possibility of heat stress. All products are available in CHEM-TECH® or CHEM-TECH® FRAS Fabric.

#### CHEM-TECH® Jacket

- Fold away hood with draw string closure and peak adjuster strap.
- Heavy duty zip with hook + loop closure.
- Two large cargo pockets.
- Internal draw string waist to ensure close fit.
- All seams heat sealed with seam sealing tape.

#### CHEM-TECH® Bib & Brace Trousers

- Bib and brace design to ensure complete layered protection.
- Side hook + loop tab adjusters.
- Hook + loop closure tabs on pockets.
- Large pockets.
- All seams heat sealed with seam sealing tape.

#### CHEM-TECH® Apron

- Adjustable neck and waist straps.
- Side release buckles for quick release.
- Comfortable, lightweight and breathable.
- 1060mm x 610mm.

#### Certifications and Standards

Elliotts' range of CHEM-TECH® clothing has been certified to AS/NZS 4602:2011 High Visibility Safety Garments by BSI.



PRODUCT CERTIFICATION



BSI Certified Product  
AS/NZS 4602:2011  
BMP No 739979

Part Number	Description	Size
CTJ100	Jacket	S-4XL
CTJ105	FRAS Jacket	S-4XL
CTBB100	Brace & Bib Trousers	S-4XL

Part Number	Description	Size
CTBB105	FRAS Brace & Bib Trousers	S-4XL
CTA100	Apron	NA
CTA105	FRAS Apron	NA

Products are also available with reflective trim on request.

## Product Data Sheet

### Certifications and Standards

The CHEM-TECH® range of fabrics allows vapour to transfer through the fabric while preventing liquid penetration by a variety of chemicals. CHEM-TECH® Chemical Splash Protective Clothing allows the body to breathe, so your perspiration can evaporate reducing the possibility of heat stress and therefore improving wear comfort.

Material Data Specification	CHEM-TECH®	CHEM-TECH® FRAS
Outer Fabric	300D Polyester 100%	300D Polyester 98% Carbon Fibre 2%
Membrane	An expanded-PTFE membrane providing liquid chemical penetration resistance and moisture vapour performance. A PU Hydrophilic Coating is applied to further improve the performance and increase the chemical hold out performance.	
Inner Lining	Tricot knit to provide additional durability and protection of the inner membrane and PU Coating.	
Fabric Weight	320gsm	

Compliance or Certification		CHEM-TECH®	CHEM-TECH® FRAS
<b>High Visibility</b>	AS4602:2011	High visibility safety garment	Certified
	EN471:2008	High visibility clothing for professional use	Compliant
<b>Anti Static</b>	EN1149-1:1995	Surface resistivity of fabric test method	
<b>Flame Resistance</b>	AS2755.1-1985	Textile fabrics - Burning behaviour	NA
		Determination of ease of ignition of vertically oriented specimens	No Ignition
<b>Liquid Chemicals</b>	AS/NZS ISO 6530-2006	Protection Against Liquid Chemicals This ISO internationally-recognised test performance method is a measurement of chemical penetration, absorption and repellency for chemical fabrics and materials.	

Test Liquid	Penetration		Repellency		Absorption		
	%	Length	Width	Length	Width	Length	Width
Hydrochloric Acid	37	0.0	0.0	91.2%	90.7%	3.4	3.4
Sodium Hydroxide	40	0.0	0.0	98.4%	99.2%	0.46	0.5
Jet Fuel A1	100	0.0	0.0	75.6%	75.0%	16.2	18.1
Sulphuric Acid	98	0.0	0.0	96.3%	96.9%	4.0	3.83
Nitric Acid	50	0.0	0.0	91.7%	91.3%	4.6	4.6

AS3765.1:1990	Resistance to Liquid Penetration(General Purpose) Appendix A - AS3765.1 testing is terminated at 60min.	Sulphuric Acid 98%(conc) Nitric Acid 40% Sodium Hydroxide 12.5M Toluene Tetrachloroethylene	> 60 minutes > 25 minutes > 60 minutes > 30 minutes > 15 minutes
GB12012-1989	Further testing was completed to GB12012-1989 by a Certified Chinese Laboratory to determine extended resistance times.	Sulphuric Acid 98% Nitric Acid 40% Hydrochloric Acid 30%	> 180 minutes > 160 minutes > 157 minutes

### CHEM-TECH® Fabric Layers

- Chemical, Oil, Soil Repellent treatment on the Outer Fabric
- 300D Oxford Outer Fabric
- Moisture Vapour Permeable PU Hydrophilic Coating
- Moisture Vapour Permeable Microporous PTFE Film Membrane
- Tricot Nylon Knit Liner

