

Product Data Sheet

CHEM-TECH® Coveralls with Standard Hood - Chemical Splash Protective Clothing

CHEM-TECH® Coverall with a standard hood, allows vapour to transfer through the fabric while preventing penetration by a variety of chemicals. CHEM-TECH® Chemical Splash clothing allows your body to “breathe” so your sweat can evaporate, reducing the possibility of heat stress.

Features

- Available in CHEM-TECH® or CHEM-TECH® FRAS Fabric.
- Heavy duty zip with hook + loop storm flap closure system.
- Hook + loop closure tabs on cuffs.
- Two large patch pockets on thighs.
- Full seam sealed hood.

Certifications and Standards

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



| Part Number | Description | Size |
|-------------|---------------|-------|
| CTCA100 | Coverall | S-4XL |
| CTCA105 | FRAS Coverall | S-4XL |

Products are also available with reflective trim on request.

PRODUCT CERTIFICATION



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

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 |
|-----------------------------|----------------------|--|-----------------|
| High Visibility | AS4602:2011 | High visibility safety garment | Certified |
| | EN471:2008 | High visibility clothing for professional use | Compliant |
| Anti Static | EN1149-1:1995 | Surface resistivity of fabric test method | |
| Flame Resistance | AS2755.1-1985 | Textile fabrics - Burning behaviour | NA |
| | | Determination of ease of ignition of vertically oriented specimens | No Ignition |
| Liquid Chemicals | 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

