Dromex

D59 FLAME AND ACID THERMAL JACKET

Description

Dromex® D59 flame and acid treated thermal winter jacket is designed to protect the user from the hazards of accidental flame contact and acid splashes, reducing injury and loss of life when working in hazardous environments.

This jacket is suitable for use in colder work environments, keeping the user warm whilst the 100% cotton satin weave finish, natural fibre construction makes this garment comfortable and breathable.

The Dromex DW-D59FA jacket is approved to the latest SAN 434 specification and has the SABS permit marking.

The D59 drill fabric construction is heavy duty and durable whilst the flame acid garment treatment technology resists the effects of flame contact and acid corrosion offering the user offer much-needed protection in the workplace.

This garment consists of the following:

- Collared jacket with internal hanger loop.
- High visibility flame retardant reflective tape on arms for enhanced visibility when working in poor lighting environments.
- Concealed brass YKK zip closure.
- 2 Waist large pockets and 2 breast bellow pockets with flap and metal press stud closures.
- Sleeve cuffs have an adjustable strap with 2 position fastening allowance and capped press studs.
- Seams are double needled with top stitching for added durability.
- Flame retardant and acid resistant embroidery on arm for garment identification.

This garment is suitable for use in general work environments such as engineering, smelting operations, mining, construction, oil and gas, petroleum, maintenance, repairs and welding industries.

Special Instructions

None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer.
The manufacturer has examined under the system for ensuring quality of production by means of monitoring and inspection.
This flame and acid garment is designed to accommodate the basic safety requirements and standards for Personal Protective Equipment.
The information contained herein is intended to assist the wearer in the selection of personal protective equipment.
Actual conditions of use cannot be directly simulated in a test environment therefore it is the responsibility of the end user and not the manufacturer or supplier to determine the garment suitability for the intended use.
Flame and acid protective garments should be thoroughly inspected before use to ensure no damage is present.

Specifications

Style:	4 Pocket long sleeve thermal jacket with high visibility reflective tape on arms. Orange (DW-D59FAOR-WJ)
Fabric composition:	100% Cotton.
Mass:	310 - 320gsm.
Reflective:	50mm sliver flame retardant tape.
Additional:	Also available in Navy Blue (DW-D59FA-WJ).

Compliance & Conformity

- Garments comply to the latest SANS 434 standard (This standard specifies requirements for the material, cut, make and trim of boiler-suits, two-piece work wear suits, bib and brace overalls, coats and unlined jackets).
  This standard makes reference to the following relevant standards:
  SANS 1362 Sewing threads.
  SANS 1387-4 Part 4: Cotton jean and drill fabrics.
  SANS 1387-10 Part 10: Pocketing.
  SANS 1822 Slide fasteners.
  SANS 5278 Sewing stitches per unit length.
  SANS 10235 Fibre-content labelling of textiles and textile products.
  SANS 50471 High-visibility warning clothing for professional use.
- The fabric is to SANS 1387-4 for D59 drill fabric, 4/1 satin weave @270gsm, 37 thread per cm weft and 19 threads per cm warp. The breaking strength is 940 N warp and 510 N weft.

- **Flame retardant fabric is tested to SANS 1423-1 for textile fabrics of low flammability for apparel:**
  Class B Category 1:
  The fabric ignites within a given time period and might continue to flame but at a rate of flame propagation that is within a specified limit.
  Surface Flash None.
  Ignition time (seconds) _ 20 sec.
  Rate of flame propagation 5 mm/s.
  ** Note this is a test situation for the fabric and does not cancel or imply otherwise to the labels wash instruction.

- **Flame retardant silver retro-reflective tape is tested to SANS 50471:2006 (EN471:2003 + A1:2008) and SANS 1423-1:2008 for textile fabrics of low flammability for apparel:**
  High visibility warning protective clothing capable of signalling the users presence visually, intended to provide conspicuity of the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark.
  Performance requirements are included for retro-reflection and not for the entire garment.
- **Acid resistant fabric is tested to ISO 6530:2005 for protection against liquid chemicals:**
  Two levels of the potential performance are assessed by this method of testing to meet with possible requirements for protection against:
  a) Deposition on the surface of a material at minimal pressure, of spray droplets up to coalescence or occasional small drips.
  b) Contamination by a single low-volume splash or low-pressure jet, allowing sufficient time to divest the clothing or take other action as necessary to eliminate any hazard to the wearer from chemical retained by the protective garment or in circumstances where pressure is applied to liquid contaminants on the surface of the clothing material, as a result of natural of the wearer (flexing of contaminated areas of clothing at arms, knees, shoulders) and contact with contaminated surfaces (e.g. walking through sprayed foliage).

Acid resistance for protective clothing against liquid chemicals for performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals.
The acid resistant finish is primarily a liquid proof coating that is not destroyed by the action of acids or other chemicals. It doesn't allow the cloth to be wetted by the acids and is therefore "acid resistant":
The test chemicals are:

- Hydrochloric Acid (HCl) 32%
- Sulphuric Acid (H2SO4) 24%
- Nitric Acid (NHO3) 65%
- Sodium Hydroxide (NaOH) 40%

There is no SANS specification for Acid Resistance therefore alternate testing is done in the absence of a national standard. The tests are done to the ISO 6530:2005 and the chemical selection and concentration to the withdrawn DIN32763 standard.

Packaging, Storage & Obsolescence

Dromex DW-D59FA-WJ are packed in individual polybags and sold as 5 jackets.

Should there be visible damage such tears or burn holes it is recommended to replace the garment immediately.

Cleaning & Maintenance

- The following suggestions will help keep your garment safe, and neat:
- D59 garments can be cleaned by home cleaning or commercial laundering provided all the recommended conditions and setting are adhered to.
- Should home procedures not remove contaminants, then dry cleaning is recommended.
- Our recommended cleaning for these garments is as follows:
  - Flame Retardant garments should not be washed with personal non-flame-retardant clothing to avoid contamination by flammable materials.
  - Pre-treat greasy stains and wash the garment in warm water with a light cleaning solvent.
  - Do not use Hypochlorite bleach or detergents containing Hypochlorite bleach.
  - Chlorine bleach may cause fading and reduce fabric strength.
  - Do not overload home laundry equipment.
  - Do not tumble dry garments.

Sizes Available

Navy Blue (DW-D59FA-WJ), XS – 7XL.
Orange (DW-D59FAOR-WJ), SX-2XL.

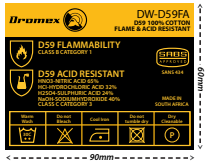
D59 Thermal Jacket	Caliber Clothing								
	PADDED JACKET GRADED SPECIFICATION SHEET								
Area to Measure	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
Front Chest At Underarm	66.5	71.5	76.5	81.5	82.5	83.5	87.5	93.5	98.5
Hem Length	61.5	66.5	72.5	76.5	81.5	86.5	92.5	94.5	101.5
Shoulder Length	63.5	65.5	67.5	68.5	69.5	71.5	73.5	74.5	75.5
1/2 Bicep	24.5	25.5	26.5	27.5	29.5	30.5	31.5	32.5	33.5
Centre Back Length	77.5	82.5	85.5	87.5	90.5	93.5	94.5	95.5	97
Armhole Diagonal	21.5	21.5	21.5	22.5	22.5	22.5	22.5	22.5	26

Disposal

All industrial waste should be disposed of correctly according to local regulations and good disposal practice. Workwear should be disposed of considering the hazardous substance they were used for as well as the material they are made up of.
Please consider recycling.

Marking/ Labels

DROMEX

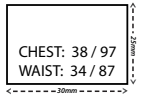


Position:
Jacket-Neck (inside)

EMBROIDERY FR ACID RESISTANT

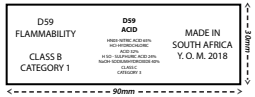
Position:
Jacket-Right arm

SIZE



Position:
Jacket-Neck

INFORMATION LABEL

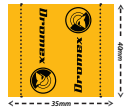


Position:
Jacket-Neck

PRODUCT & YOM LABEL

Position:
Jacket-Neck

SIDEWINDER



Position:
Jacket-Top pocket

PRODUCT
STANDARD

SABS APPROVED

SANS 1387-4,
SANS 1423-1,
SANS 434
ISO6530: 2005