

Dromex



D59 SAFETY OFFICERS SUIT



DW-D59FAOR

Description

Dromex® D59 flame and acid treated officers' style jacket and pants is designed to protect the user from the hazards of accidental flame contact and acid splashes, reducing injury when working in hazardous environments.

The Dromex DW-D59FAOR pants and jacket is approved to the latest SANS 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 essential protection in the workplace.

The 100% cotton satin weave finish and natural fibre construction makes this garment comfortable and breathable.

This garment consists of the following:

Jacket features:

- Collared jacket with internal hanger loop.
- High visibility flame retardant reflective tape on lower arm, upper arm, partial chest, shoulders and rear upper back, for enhanced visibility when working in poor lighting environments.
- Concealed brass YKK zip closure.
- 2 Open waist pockets and 1 left breast pocket with a Dromex® side-winder label, mitred flap and concealed metal press stud closure.
- Side slits for comfortable fit over waist.
- Elasticated sleeve cuffs prevent the risk of loose clothing caught in machinery.
- Seams are triple needled with topstitching for added durability.
- Flame retardant and acid resistant embroidery on arm for garment identification.

Pants features:

- Flame retardant reflective tape on leg for enhanced visibility when working in poor lighting environments.
- A concealed brass zip and with metal nickel button closure at waist.
- Two front swing pockets and a rear mitred open pocket with Dromex® sidewinder label.
- A tool pocket on the right leg.
- A Dromex® sidewinder label on back pocket.
- Triple needle topstitching for added durability.
- Inner elasticated waist for optimum fit and flexibility with 7 belt loops.

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

Although the manufacturer has examined these garments under the system for ensuring quality of production by means of monitoring and inspection, we recommend that all garments should be thoroughly inspected before use to ensure no damage is present.

None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer. The garments and information contained herein are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment. Actual conditions of use cannot be directly simulated in a test environment, therefore it is the responsibility of the user and not the manufacturer or supplier to determine the suitability for intended use.

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

Specifications

Style:	Orange pants and jacket with high visibility reflective tape on arms (lower and upper), partial breast, shoulders, rear back and legs.
Fabric composition:	100% Cotton.
Mass:	310 - 320gsm.
Reflective:	50mm Silver flame retardant tape.

Compliance & Conformity

- Garments comply to the latest SANS 434 standard (This standard specifies requirements for cut, make and trim of two-piece work wear suits).

This standard makes reference to the following relevant standards:

SANS 1362	Sewing threads.
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 (EN 471:2003 + 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).

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Latest update: 22/08/2022

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 (HNO₃) 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-D59FAOR-J - jackets are packed in individual polybags and sold as 10 units per carton.

Dromex® DW-D59FAOR-P - pants are packed in individual polybags and sold as 10 units per carton.

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 settings 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 as fading may occur.
 - Do not tumble dry.
 - Thoroughly rinse the garment to remove any wetting agents.
 - Do not hang in direct sunlight as fading may occur.
 - Iron the garment to enhance and regenerate the finish effect.
 - When using commercial laundry aids, be sure to read and carefully follow the manufacturer's instructions.



• Note:

The flame retardant finish is a permanent finish applied to the cotton fabric which reacts with the cotton fibre to produce a permanent covalent bond.

This is used internationally to produce a wash fast flame-retardant finish that lasts at least 50 washes.

WARNING:

Acid resistant garments when wetted with an acid and allowed to dry or stand in it's wetted state for a long period will destroy the fabric and holes will become visible and widen after each wash.

- Should acids wet the garment, it should be neutralised and washed as soon as practically possible.
- The chemical used in the acid finish is a Fluorocarbon and is permanent therefore should not lose its effect after 50 washes.

Sizes Available

Jacket: 30 - 60

Size designation	Nominal measurements of finished garment (cm)				
	Chest circumference	Back length ^b	Back width	Sleeve length	
XS	30/77	94	70	36	47
S	32/82	99	71	38	47
	34/87	104	72	40	48
M	36/92	109	73	42	48
	38/97	114	74	44	49
L	40/102	119	74,5	46	49
	42/107	124	75	48	50
XL	44/112	129	75,5	50	50
	46/117	134	76	52	51
2XL	48/122	139	76,5	54	51
	50/127	144	77	56	52
3XL	52/132	149	77,5	58	52
	54/137	154	78	60	53
4XL	56/142	159	78,5	62	53
	58/147	164	79	64	54
5XL	60/152	169	79,5	66	54

Pants: 26 - 56

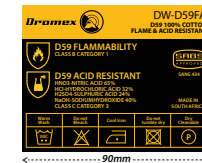
Size designation	Nominal measurements of finished garment (cm)		
	Waist extended	Outside leg length	Inside leg length
XS	26/67	80	102
S	28/72	85	104
	30/77	90	106
M	32/82	95	108
	34/87	100	110
L	36/92	105	110
	38/97	110	111
XL	40/102	115	111
	42/107	120	111
2XL	44/112	125	111
	46/117	130	111
3XL	48/122	135	111
	50/128	140	112
4XL	52/132	145	112
	54/137	150	113
5XL	56/142	155	113

Disposal

All industrial waste should be disposed of correctly according to local regulations and good disposal practice. Please consider recycling.

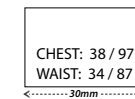
Marking/Labels

DROMEX



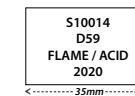
Position:
Jacket - Neck (inside)
Pants - Inside (left pocket)

SIZE



Position:
Jacket - Neck
Pants - Inside (left pocket)

PRODUCT & YOM LABEL



Position:
Jacket - Neck
Pants - Inside (left pocket)

PRODUCT



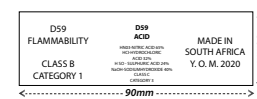
SANS 1387-4, SANS 1423-1,
SANS 434 and
ISO6530: 2005

EMBROIDERY FR ACID RESISTANT



Position:
Jacket - Right arm
Pants - Front (right leg)

INFORMATION LABEL



Position:
Jacket - Neck
Pants - Inside (left pocket)

SIDEWINDER



Position:
Jacket - Top pocket
Pants - Back pocket

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