Dromex ARC

ARC FLASH DUST COAT ATPV 15 Cal/cm²

Decription

The Dromex® Arc product range is designed to protect the user from the hazards of heat and to reduce total burn injury when working in environments exposed to electric arc hazards.

Dromex® Arc garments are manufactured with our exclusive Dromex® A.P.T™ (Arc Protective Technologies) fabric blend, which has been carefully developed by our team along with industry experts and professionals to ensure specialised Arc safety and global standards are met.
Our Dromex® A.P.T™ fabric and garments have been tested to NFPA, ASTM, EN, SABS and IEC standards.

This dust coat consists of the following:

- Flame retardant lime/silver/lime reflective tape on arms, back and chest for enhanced visibility.
- Front opening with concealed flame retadant plastic snap buttons and flame retardant Velcro closure for ease of putting on and taking off.
- Seams with triple needle topstitching for added durability.
- Sleeves feature a flame retardant knitted cuff providing a great seal when used with gloves and prevents sleeves from rolling upwards.
- Right sleeve with Dromex® Arc heat transfer print.
- Right chest with ATPV 15 cal/cm² embroidery for garment identification.
- Left chest with rectangular Dromex® Arc heat transfer print.
- Slit at centre back hem, aids movement.

These garments are commonly used in the following industries:

- Utilities & Power Generators
- Automotive
- Construction
- Mining
- Petroleum
- Utilities
- Data centres
- High volume manufacturing

Dromex® A.P.T™ fabrics are self-extinguishing, heat resistant and resistant to ignition. Dromex® Arc garments are sewn with flame retardant thread.

Special Instructions

Note: For electric arc exposures, wear the correct number of flame resistant clothing layers as dictated by an electric arc hazard analyst.
In potentially explosive environments, proper grounding procedures must be used for protection against electrostatic spark ignition.
Do not put on or remove garments when in a potentially explosive environment.
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.
These Arc flash dust coats are 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 arc flash suitability for the intended use.
Arc flash protective dust coats should be thoroughly inspected before use to ensure no damage is present.

Specifications

Style:	Navy blue collared long sleeve mid-length coat with lime/silver/lime flame retardant reflective tape.
Fabric composition:	88% Cotton 12% Nylon.
Mass:	305gsm.
Reflective:	50mm Lime/silver/lime flame retardant tape.
Additional:	Arc clothing must be worn with additional and correctly selected Arc PPE to ensure complete protection against the hazards of Arc Flash. Refer to table "Arc Flash PPE Categories" for further compatible PPE.

Packaging, Storage & Obsolescence

DW-ARCDC15 is packed in a resealable polybag and sold individually.

Sizes Available

S - 3XL

Dust Coat	DUST COAT GRADED SPECIFICATION SHEET					
Sizes	S	M	L	XL	2XL	3XL
Chest	105	115	125	135	145	155
Back Length	91	92	93	94	95	96
Back Width	39	43	47	51	55	59
Sleeve Length	50	51	52	53	54	55
Cuff	29	30	31	32	33	34
Vent	26.5	26.5	26.5	26.5	26.5	26.5

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Compliance & Conformity

- Complies to marking SANS 724, Personal Protective Equipment and protective clothing against the thermal hazards of an electric arc.
- IEC 61482-1-1 - Live working - Protective clothing against the thermal hazards of an electric arc - Open Arc Test Method. It determines the Arc Thermal Protection Value (ATPV level) of the garment. The basic principle is that the ATPV of the garment must be higher than the Arc Flash energy.
- IEC 61482-1-2, Live working - Protective clothing against the thermal hazards of an electric arc - Box Test Method. It determines the Arc Protection Class Rating of the material or garment by using a constrained and directed arc:
  - EN 61482-1-2:2014 - LIVE WORKING - PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC
    - PART 1-2: TEST METHODS
    - METHOD 2: DETERMINATION OF ARC PROTECTION CLASS OF MATERIAL AND CLOTHING BY USING A CONSTRAINED AND DIRECTED ARC (BOX TEST) (IEC 61482-1-2:2014).
  - NFPA 2112 - Standard on flame resistant clothing for protection of industrial personnel against short duration thermal exposures from fire.
  - NFPA 70E - Standard for electrical safety clothing for employees.
  - ASTM F1959, Standard Test Method for Determining the Arc Rating of Materials for Clothing.
  - ASTM F2621-12, Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure.
  - EN 11611:2015, Protective clothing for use in welding and allied processes.
  - EN 11612:2015 Protective clothing -- Clothing to protect against heat and flame -- Minimum performance requirements.

Cleaning & Maintenance

Garments of Dromex® A.P.T™ brand fibre can be cleaned by home or commercial laundry or by dry cleaning procedures without loss of their inherent protective features.
The following suggestions will help keep your garment safe and neat.
Should home procedures not remove contaminants, commercial laundering or dry-cleaning is recommended:

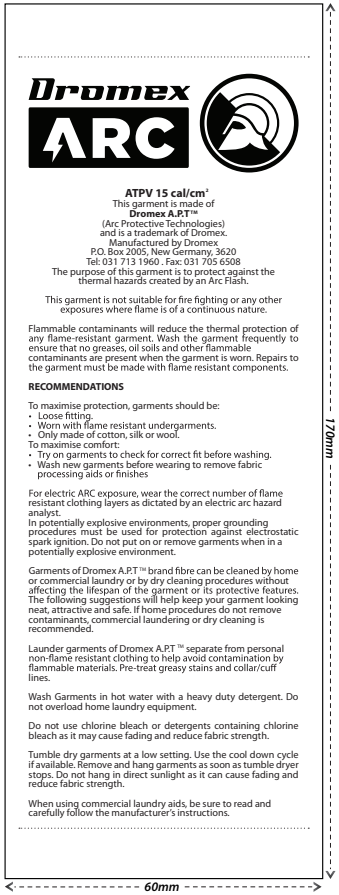
- Launder garments of Dromex® A.P.T™ separate from personal non-flame resistant clothing to help avoid contamination by flammable materials.
- Pre-treat greasy stains and collar/cuff lines.
- Wash garments in warm water with heavy duty detergent.
- Do not overload home laundry equipment.
- Do not use chlorine bleach or detergents containing chlorine bleach.
- Chlorine bleach may cause fading and reduce fabric strength.
- Tumble dry garments at a low setting.
- Remove and hang garments as soon as tumbler stops.
- Do not hang in direct sun as fading and reduction of fabric strength can occur.
- When using commercial laundry aids, be sure to carefully follow the manufacturer's instructions.

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 substances they were used for as well as the material they are made up of.
Please consider recycling.

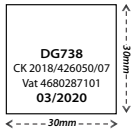
Marking

TYVEK ATPV LOOP FOLD CARE LABEL



Position:
• Back - Below main label

ORIGIN & YOM LABEL

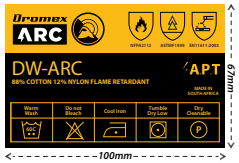


Position:
Neck - Inside

EMBROIDERY (WHITE THREAD)

Position:
- Right hand side of chest (Centre of panel)

MAIN LABEL



Position:
Neck (Inside)

DROMEX ARC BOOKLET

Position:
Tag attached inside garment

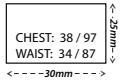
ARC HEAT TRANSFER PRINT

Position:
Right hand side of sleeve

ARC HEAT TRANSFER PRINT

Position:
- Left chest

SIZE LABEL



Position:
Neck - Inside

DROMEX A.P.T. WATERMARK

Position:
• All over print (Inside fabric)

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Arc Flash PPE Categories

Hazard/Risk Category	FR (flame retardant) Recommended clothing used at this level	Required minimum ATPV (Cal/cm^2) as per EN	Workwear	Other PPE
HRC 1	• FR shirt (T-shirt short sleeve worn inside Long sleeve shirt) and FR pants; or boilersuits; (Single base layer of FR protection)	4	 ARC T-SHIRT SS&LS  ARC BOXER SHORT  ARC SHIRT & DENIM JEAN, ARC DUST COAT, ARC X BIB, ARC 2 PIECE CONTI-SUIT, ARC BOILERSUIT	 ARC LEATHER GLOVES  ARC VISOR *(must wear with Balaclava)  ARC BALACLAVA  EARPLUGS  DIPPED ARC GLOVES  ARC SWITCHING GLOVES  ARC HARD HAT  ARC ANKLE SAFETY BOOTS
HRC 2	• FR under garments (undershirt, underwear) • FR shirt and FR pants; or FR boilersuits; (2 or more layers of FR protection)	8		
HRC 3	• FR under garments (undershirt, underwear), FR shirt, FR jacket, FR pants or FR boilersuits; (2 -3 or more layers of FR protection)	25	 ARC SUIT  ARC PADDED JACKET	 EARPLUGS  ARC LEATHER GLOVES  ARC HARD HAT  ARC ANKLE SAFETY BOOTS  ARC SWITCHING GLOVES  DIPPED ARC GLOVES  ARC VISOR *(must wear with Balaclava)  ARC BALACLAVA
HRC 4	• FR under garments (Undershirt, underwear), • FR shirt, FR jacket/coat, FR pants or FR boilersuits; (3-4 or more layers of FR protection)	40	 ARC BIB & BRACE, JACKET AND HOOD WITH VISOR	 ARC SWITCHING GLOVES  ARC LEATHER GLOVES  EARPLUGS  ARC ANKLE SAFETY BOOTS

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