



BW2590T1

Regular Weight PPE2 Two Tone FR Shirt with Loxy™ Reflective Tape



PARVOTEX

8.6

Cal/cm²
APT_V

PPE2

ARC2 / HRC2

ASTM F1959/F1959M
NFPA 70E:2015



FEATURES

- Regular weight garment providing PPE (8.6 cal/cm²) protection at 197gsm
- Parvotex™ inherent FR fabric, with a blend of 32% cotton offering breathability and FR protection
- Strong reinforced ripstop fabric which is durable and resistant to tearing
- LOXY™ FR 9801 Silver Reflective Tape tested to standard AS/NZS 1906.4:2010
- Double hoop tape configuration to enhance visibility
- Two front pockets, one with pen partition
- Concealed nylon studs
- Two-way radio loops on garment shoulders

COLOURS

- BW2590T1-Y/N**
Yellow/Navy
S-5XL
- BW2590T1-O/N**
Orange/Navy
S-5XL

PACKAGING

1 20

CARE INSTRUCTIONS

Written in accordance with
AS/NZS 1957:1998 Textiles
- Care Labelling

- Wash prior to first time use or if stained, with like colours
- Machine wash at no more than 60°C
- Do not use chlorine-based bleach
- Do not use fabric softeners or soap
- Dry in shade and do not overdry
- Warm tumble dry, short cycle
Rinse thoroughly
- Medium heat iron
- Dry cleanable

Features



Performance



NFPA 2112
NFPA 70E

PPE2 (HRC2)

EN 11612

A1 A2 B1 C1 F1

IEC 61482-1-2
2014

Class 1

EN 1149-3(5)
Pt. 3:2004
Pt. 5:2008

Charge Decay

ASTM
D2863-2013
TEST METHOD

LOI 29.6%

STANDARD 100
CLASS II

Certified

PRODUCT CERTIFICATION
 BSI Certified Product
AS/NZS 1906.4:2010
AS/NZS 4602.1:2011
ASTM F1959/F1959M

COLOURS & SIZING

Size	S	M	L	XL	2XL	3XL	4XL	5XL
Neck (cm)	36/37	38/39	41/42	43/44	45/46	47/48	49/50	51/52
To Fit Chest (cm)	90	95	100	105	110	115	120	125



CERTIFICATION

ASTM F1959/F1959M Test Method for Determining the Arc Rating of Materials for Clothing

ASTM F1959/F1959 is an international standard outlining the original test method for determining an 'Arc Rating' or 'Arc Thermal Performance Value' (ATPV) of a material or combination of materials, intended for use to construct a flame resistant garment. The results from the ASTM F1959/F1959 test method will detail the fabric samples material properties, when exposed to convective and radiant energy generated by an electric arc.

AS/NZS 1906.4:2010 Retroreflective materials and devices for road traffic control purposes - Part 4: High-visibility materials for safety garments



High Daytime Visibility Non-Fluorescent Material

Class NF is given to fabrics - typically made from natural fibres - which have a lower chromaticity level due to the nature of the fabric. Natural fibres tend to be highly breathable, and for this reason many prefer its use to combat humid conditions and extensive sun exposure. Natural fibre garments tend to have reduced colour retention properties when they undergo prolonged exposure to UV rays.

It is especially important for natural fibre garments to be labelled with the NF classification as they should be properly inspected regularly for colour fading.



Retroreflective Material

Class R Retroreflective material is applied to workwear garments in the form of high-visibility reflective tape. This material reflects direct artificial light sources - such as car headlights - back to the viewer. This fabric type is essential for night-time garments.

AS/NZS 4602.1:2011 High-visibility safety garments - Part 1: Garment for high risk applications



Day/Night Use

Designed to provide wearer visibility in both day and night-time conditions.

These garments combine the requirements of Class D high-visibility fabric with Class N requirements of reflective tape configurations.

Like Class D, Class D/N garments must have same 0.2m² high-visibility fabric on the front and back torso, compliant to Class F and RF material standards. Class NF fabric, can be used instead, with the caveat of reduced high-visibility properties and differing care instructions.

WHY CERTIFY WORKWEAR GARMENTS FOR CONSTRUCTION AND HIGH VISIBILITY?

Unknown to most people, workwear garments in Australia are almost always sold with the claim they are compliant to Australian/New Zealand or European safety standards for workwear. The most popular claims are made to standards:

- AS/NZS 1906.4:2010 *Retroreflective materials and devices for road traffic control purposes - Part 4: High-visibility materials for safety garments*
- AS/NZS 4602.1:2011 *High-visibility safety garments - Part 1: Garments for high risk applications*
- AS 4399:2020 *Sun protective clothing - Evaluation and classification*
- ASTM F1959/F1959M *Test method for determining the arc rating of materials for clothing*

However making this claim is NOT the same as being certified to the Australian/New Zealand standards.

As a consumer you are expected to accept this claim without any further proof or validation that the necessary lab tests have been conducted and all performance requirements have been thoroughly met; upholding all proper scientific practices.

For Bool Workwear this is not acceptable. We pride ourselves in becoming the first Australian workwear provider that can validate our safety claims by providing certification.

Bool Workwear have entrusted BSI Global - international independent notifying body - to ensure that certified Bool garments meet Australian and relevant international safety standards. The certification process ensures manufacturing processes and facilities, test certificates, and the product itself are audited & scrutinized so that all claims are accurate. A garment is then able to be marked certified by the BSI Certified Body.

As certified products the BSI Global and license number issued the BSI Certified Body is presented next to the garment.



PARVOTEX

FIBRE CONSTRUCTION

Parvotex is uncompromised protection against unforeseen open electric arc incidents and flash-fire events. No other FR fabric can boast high levels of fire resistance alongside superior comfort and breathability. This all stems from the yarns composition, with our Parvotex fabric boasting a 32% cotton content the perfect solution for Australia's hot and humid climate.

With a cotton content of 32% the Parvotex fabrics is ultra comfortable, eliminating and removing the stiffness and heaviness of traditional flame retardant garments. The high cotton content also makes the yarn highly breathable which is essential in the harsh Australian working conditions.

