# CERTIFIED PRODUCT

**BOOL**
Protective Technologies

# BW1349T2

FR Wet Weather Trousers PPE Category 2
with Segmented FR Tape



**PPE 2**

**11.0** cal/cm² ATPV

ASTM F1959M/F1959 & NFPA 70E:2015

| | | |
|---|---|---|
| NFPA 70E | **PPE 2 (HRC 2)** | |
| EN ISO 11612 2015 | **A1 B1 C1 F1** | |
| IEC 61482-1-2 2014 | **Class 1** | |
| EN 1149-3(5) Pt. 3:2004 Pt. 5:2018 | **Charge Decay** | |

**Oeko-Tex® Standard 100 Class II**

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|---|---|---|---|---|---|---|
| **FABRIC** | FR 3 Layer | **AS/NZS 1906.4:2023** | Class R | **AS/NZS 4836:2023** | Compliant |
| **WEIGHT** | 110D | **AS 4602.1:2024** | Class N* | **ENA NENS 09** | Compliant |
| **TAPE** | FR Seg Tape | **AS 4399:2020** | UPF 50+ | | |

- 110D 3-layer – Polyester, Polyurethane, Modacrylic blend
- Waterproof garment, and breathable fabric with sealed seams for extra insulation from water
- Offers extensive and convenient storage for essentials
- Adjustable drawstring waistband for a personalised fit and all-day comfort
- Anti-static fabric dissipates electrostatic charge from across its' surface as per EN1149-5 reducing the risk of conductivity for the wearer
- Segmented FR heat applied reflective tape
- Biomotion tape configuration to enhance visibility

*Class N only applicable when worn with a compliant shirt*

**■ BW1349T2–NAV** S–5XL

**MOQ** 1 Unit
**CARTON** 20 Units

**PRODUCT CERTIFICATION**

BSI Certified Product
ASTM F1959/F1959M

**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 proprieties, when exposed to convective and radiant energy generated by an electric arc.

**AS/NZS 1906.4:2023 Retroreflective materials and devices for road traffic control purposes - Part 4: High-visibility materials for safety garments**

### 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.

**AS 4602.1:2024 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 0.2m$^2$ 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 1906.4:2023 Retroreflective materials and devices for road traffic control purposes - Part 4: High-visibility materials for safety garments

| AS 4602.1:2024 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.

## Fibre Construction

**LAYER 1**

| | |
|---|---|
| **Polyester** | **\| 98%** |
| **Antistatic** | **\| 2%** |

**LAYER 2**

| | |
|---|---|
| **Polyurethane** | **\| 100%** |

**LAYER 3**

| | |
|---|---|
| **Modacrylic** | **\| 55%** |
| **Cotton** | **\| 45%** |

The wet weather composition across the Bool Workwear range guarantees fire resistance, weather resistance and durability with its yarn composition and added FR lining.

## 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 40°C
- Do not use chlorine-bleach
- Do not use fabric softners or soap
- Dry in shade and do not overdry
- Warm tumble dry, short cycle Rinse throoughly
- Medium heat iron
- Dry cleanable

## Sun Protection

**UPF 50+ Excellent Protection**

Garments received a pass under AS4399:2020 Sun protective clothing - Evaluation and classification