



**Hi Viz Yellow/Black - Front**



**Boot-Access Covered Zip Closure**

## 1. Scope

This specification covers the requirements for the District's Flame-Resistant Rain pants.

## 2. Reference Standards

Unless otherwise stated in this specification, the rain pants shall comply with the latest revisions of the following Standards:

### Industry Standards

- AATCC 22 Water Repellency
- AATCC 35 Water Resistance
- AATCC 127 Hydrostatic Pressure

**AATCC 8, 15, 61, 107, 133** Color Fastness

**ANSI/ISEA 107** American National Standard for High-Visibility Safety Apparel and Head-wear

**ASTM F1868** Standard Test Method for Thermal and Evaporative Resistance of Clothing Materials Using a Sweating Hot Plate

**ASTM F1506** Standard Performance Specification for Flame Resistant Textile Material for Wearing Apparel for Use by Electrical Workers Exposed to Momentary Electric Arc and Related Thermal Hazards

**ASTM F1891** Standard Specification for Arc and Flame Resistant Rain-wear

**ASTM F1959** Standard Test Method for Determining the Arc Rating of Materials for Clothing

**ASTM F1930** Standard Test Method for Evaluation of Flame Resistant Clothing for Protection Against Flash Fire using an Instrumented Mannequin

**ASTM F2733** Standard Specification for Flame Resistant Rain-wear for Protection Against Flame Hazards

**ASTM E96 / E96M** Standard Test Methods for Water Vapor Transmission of Materials (Breathability)

**ASTM E1164** Color Determination (After 40X Xenon)

**NFPA 70E** Standard for Electrical Safety in the Workplace

### 3. General Requirements

Pants shall be in compliance with Performance Class E high visibility background and retro-reflective material standards as listed in the latest revision of ANSI/ISEA 107.

#### 3.1 Style

The pants shall be pull-on trouser type with a 2" Velcro adjustable waist and belt loops around the waist.

#### 3.2 Fabric

The fabric shall be an 8.3 oz, fast drying, lightweight, breathable, waterproof, and wind resistant GORE PYRAD fabric technology. Fabric shall be Fire Resistant in compliance with referenced NFPA and ASTM standards.

#### 3.3 Alterations

Alterations shall be defined as Short, Double-Short, Tall, and Double-Tall.

Short sizes will shorten pant length by 2". Double-Short sizes will shorten pant length by 4". Tall sizes will add 2" to the pant length. Double-Tall sizes will add 4" to the pant length.

The manufacturer shall alter pant based on District specifications provided at the time of order.

#### 3.4 Closure

The pants shall have a snap fly tab closure at the opening.

#### 3.5 Color

The pants shall be Hi-Viz Yellow/ Black in color.

### 3.6 Legs

Each leg shall have a boot-access covered zip closure to the knee, a 1-way YKK heavy-duty zipper, full length triple storm flap, and a Velcro closure to secure flap.

### 3.7 Retro-reflective Film

Pants shall have two 2" segmented silver retro-reflective film strips made of 3M Schotchlite FR segmented silver reflective trim located around the knee and ankle of each leg.

### 3.8 Pockets

The pants shall also have a tool pocket on the side of one leg above the knee.

### 3.9 Care Labeling

Pants shall have care marking and laundry labeling in compliance with ASTM Labeling Requirements and Items 10 and 11 of ANSI/ISEA 107 sewn into the inside of the rear waist area.

## 4. Material ID Numbers

This specification applies to the following District Material ID Numbers:

Material ID	Size		Material ID	Size
500391	SM		500453	XL Tall
500446	SM Short		500395	2X
500447	SM Tall		500460	2X Short
500392	MD		500464	2X Tall
500448	MD Short		500396	3X
500449	MD Tall		500455	3X Short
500393	LG		500456	3X Tall
500450	LG Short		500397	4X
500451	LG Tall		500457	4X Short
500394	XL		500458	4X Tall
500452	XL Short			

## 5. Packaging

Each rain pant shall be individually packaged in a clear plastic bag with size labeling shown for shipping and storage.