

# GORE® PARTICULATE HOOD GEN2 Ultra C6 SPECIFICATION

## DESIGN

Head Design Comfort insert on the crown of the head replaces traditional center seam.

Bib(Apron) Design Longer length, notched shoulder bib design

## LAYERS

Head and Bib 2 ply material (outer to inner)  
Ultra C6/ GORE® Particulate Blocking Layer 2.0

## LENGTH

Head Length 15"  
Bib (Apron) Length 8"  
OVERALL LENGTH 23"

## FACE OPENING

Circular face opening, sewn with ½" elastic.  
Elastic is encapsulated in material and cover stitched.

## INSPECTION OPENING

The GORE® Particulate Hood GEN2 has an Inspection Opening in the back binding of the hood. The Inspection Opening allows the hood to be turned inside out so the GORE® Particulate Blocking Layer 2.0 can be visually inspected for damage.

## BINDING

Binding of same fabric material to enhance design with a finished look.

## SEAMS

Thread 100% Nomex  
Comfort insert on the crown of the head replaces traditional center seam.  
Safety lock cover stitch of seams.

## SIZING

UNIVERSAL sizing

## LABEL, MARKING RECOMMENDATIONS, WARNING & USER INFORMATION

**LABEL:** each hood comes individually labeled to identify fabric, hood style, lot # traceability, DOM, Cleaning, Precautions, and Storage instructions, and UL Certification.

**LABEL MARKING RECOMMENDATION:** If permitted by your department or organization, for identification purposes, you may mark your protective hood. When marking, use an indelible marker. Do not write over or obscure information on the product label.

**LABEL:** once the label is reviewed for imperative information, the label can be tucked up and out of the way inside the INSPECTION OPENING. **DO NOT REMOVE LABEL.**

**WARNING & USER INFORMATION:** each hood has a Warning & User Information guide attached or QR code printed on the bag with imperative information. Please review before wearing.

## CLEANING, PRECAUTIONS, AND STORAGE

- \* USE REGULAR MILD DETERGENT
- \* MACHINE WASH WARM NOT TO EXCEED 105° F
- \* TUMBLE DRY LOW NOT TO EXCEED 105° F
- \* DO NOT USE WASHING MACHINE THAT EXCEEDS 100 Gs
- \* DO NOT USE BLEACH
- \* DO NOT USE FABRIC SOFTENERS
- \* DO NOT DRY CLEAN
- \* DO NOT STORE IN DIRECT SUNLIGHT
- \* STORE YOUR HOOD ONLY WHEN IT IS CLEAN, DRY, AND FREE OF CONTAMINATION

## CERTIFICATIONS

NFPA 1971-2018 UL Certified

# GORE®

## PARTICULATE HOOD



Excellent protection from the particulate-blocking layer that is present throughout the entire hood.

Offers a more traditional hood wearing experience with the benefits of particulate protection.

ONE SIZE FITS all convenience

Excellent breathability

Exceptional durability

Continues to block 99.9% of particles in the 0.1 to 1.0 micron range after laundering; exceeds strength requirements in the NFPA 1971-2018 standard

The construction is optimized to reduce interference with sounds and signals on the fireground

The GORE® Particulate Hood GEN2 combines the expertise of the industry leader in barrier technology with the skill of one of the most respected hood manufacturers

**Majestic Fire Apparel knits, cuts, sews, and ships the GORE® Particulate Hood GEN2 in Lehighton, PA**

### WARRANTY INFORMATION

THE GORE® PARTICULATE HOOD GEN2 IS WARRANTED TO BE FREE FROM DEFECTS IN material and workmanship for one year. This warranty does not cover normal wear or unusual exposures, including abrasive wearing of close-tolerance accessories—such as voice amplifiers. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to, implied warranties or marketability and/or fitness for a particular purpose. Majestic Fire Apparel, Inc. shall not be liable for incidental or consequential damages.

### REPAIRS OR ALTERATIONS

DO NOT attempt to repair, alter, or modify the GORE® Particulate Hood GEN2. Hoods should not be altered to accommodate after market accessories. Any aftermarket alteration, modification or addition, or repair will VOID the WARRANTY and could affect the UL Certification compliance with the current NFPA 1971 Standard.

# GORE® PARTICULATE HOOD Ultra C6 FABRIC PERFORMANCE VALUES

|                               | Ultra C6   | GORE® Particulate Blocking Layer 2.0                |
|-------------------------------|--|---|
| <b>Material Content:</b>      | 65% oxidized polyacrylonitrile /35% artificial tri-blend | Proprietary ePTFE laminate with Nomex/FR Rayon knit |
| <b>Material Construction:</b> | 1 x 1 Rib Knit   | Laminate  |
| <b>Material Weight:</b>       | 6.5 osy (nominal)  | 7.0 osy (nominal)                                   |
| <b>Material Color</b>         | Black (Standard)   | Denim (Standard)                                    |

## PARTICULATE BLOCKING LAYERING SYSTEM THROUGHOUT ENTIRE HOOD

|   |  |
|---|--|
| Head Design = 2 ply material (outer to inner) | Ultra C6/ GORE® Particulate Blocking Layer 2.0 |
| Bib Design = 2 ply material (outer to inner)  | Ultra C6/ GORE® Particulate Blocking Layer 2.0 |

## TOTAL HEAT LOSS (THL)

as received 356 W/m<sup>2</sup>

## THERMAL PROTECTIVE PERFORMANCE (TPP)

as received 30.9 cal/cm<sup>2</sup>  
after 5 washes 33.3 cal/cm<sup>2</sup>

## PARTICULATE BLOCKING EFFICIENCY for each particle size range from 0.1 - 1.0 micron

as received >99.99% from 0.1 µm to 1.0 µm  
after 10 wash/dry, heat conditioning, room conditioning, 10 wash/dry, heat conditioning, room conditioning >99.99% from 0.1 µm to 1.0 µm

## HOOD MATERIAL BURST STRENGTH

|                 |   |
|-----------------|---|
| <b>Ultra C6</b> | <b>GORE® Particulate Blocking Layer 2.0</b> |
| 383 N           | 421 N                                       |

## FLAME RESISTANCE TEST 1

AFTER FLAME

| Ultra C6                 | GORE® Particulate Blocking Layer 2.0 |
|--------------------------|--------------------------------------|
| as received 0 seconds    | as received 0 seconds                |
| after 5 washes 0 seconds | after 5 washes 0 seconds             |

CHAR LENGTH (wales x courses)

| Ultra C6                   | GORE® Particulate Blocking Layer 2.0 |
|----------------------------|--------------------------------------|
| as received 2 mm x 1 mm    | as received 35 mm x 35 mm            |
| after 5 washes 2 mm x 1 mm | after 5 washes 22 mm x 24 mm         |

## CLEANING SHRINKAGE RESISTANCE TEST

|                          |          |
|--------------------------|----------|
| HOOD MEASUREMENT         | 1%       |
| FACE OPENING MEASUREMENT | Complies |

## HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

|                          |   |
|--------------------------|---|
| HOOD MEASUREMENT         | as received 0%<br>after 5 washes Less than 1%   |
| FACE OPENING MEASUREMENT | as received Complies<br>after 5 washes Complies |

## MELT, SEPARATE, IGNITE WHEN EXPOSED TO FLAME

as received None  
after 5 washes None

## SEAM BREAKING STRENGTH TEST

|                 |   |
|-----------------|---|
| <b>Ultra C6</b> | <b>GORE® Particulate Blocking Layer</b> |
| 342 N           | 514 N                                   |