



Quality Tools, Equipment & Line Materials for the Energy Industry.



NATIONAL SAFETY APPAREL®

## NSA Arc Flash Clothing - ArcGuard® Performance

### USER GUIDE

#### SAFETY

- Garment must be fully fastened before entering the live working environment.
- Unrated or melting under layers should not be worn.
- It is the user's responsibility to read and understand all warnings prior to use of each product.
- A full arc flash suit requires additional suitable protective equipment, which includes protective footwear & arc rated insulated gloves.

#### TRAINING

- Arc flash risk assessments are required to determine incident energy, proper training of hazards and application should follow.
- Users should also be trained on care and use of arc flash PPE including but not limited to: Inspection, Laundering, Donning/DoFFing & Storage

#### USAGE

- Garments have been designed oversized to fit as outerwear.
- When worn as a complete suit with all closures fastened, the jacket collar should cover the neck, the jacket sleeves should come to the wrists, and gloves should be worn over sleeves.
- Jacket should be worn over pants or bibs, jacket hem should overlap the waist of the bottoms, pant legs should come down to the ankles.
- When worn with a hood or faceshield and balaclava, the hood or balaclava should drape over the shoulders covering the collar of the jacket.



#### CARE & MAINTENANCE

- It is recommended to wash garments prior to wearing.
- User must follow all care and maintenance instructions on the interior label of the garment. (See Launder labels and warning below)
- In order to perform its protective function, an Arc-Flash garment must be maintained in its original condition. Garments with rips, tears and abrasion to the fabric cannot be worn and must be removed from service, as they pose a potential safety risk.

### GARMENT LAUNDER INSTRUCTION LABELS

#### ArcGuard® Jacket, Bib Overalls & Hood

Important:

- DO NOT use chlorine bleach or detergents containing bleach
- DO NOT use hydrogen peroxide
- DO NOT use fabric softeners or starch
- Wash/Laundering Instructions:
  - Dry Cleanable
- Machine wash warm (Max. 74°C/165°F)
- Detergent only

\*Wash according to the instructions above to remove any contaminants in order to maintain fabric performance when garment becomes soiled with dirt, greases, oils, etc.\*

\*If contaminants cannot be removed after laundering, it is best to discontinue use of the garment.\*

#### UltraSoft® Balaclavas/Knit Hoods

Important:

- DO NOT use chlorine bleach or detergents containing bleach
- DO NOT use hydrogen peroxide
- DO NOT use fabric softeners
- Wash/Laundering Instructions:
  - Dry Cleanable
- Turn garment inside out prior to laundering
- Machine wash warm (Max. 50°C / 120°F)
- Tumble dry warm

\*Wash according to the instructions above to remove any contaminants in order to maintain fabric performance when garment becomes soiled with dirt, greases, oils, etc.\*

\*If contaminants cannot be removed after laundering, it is best to discontinue use of the garment.\*

#### Face-shields, Goggles & Glasses

Important:

- DO NOT use ammonia based cleaners
- DO NOT use any abrasives or polishes
- NEVER use if cracked or broken
- Wash/Laundering Instructions:
  - Remove from hood if applicable
- Wash with warm soapy water - Mild soap only
- Rinse thoroughly - Pat dry with a soft cloth

\*Always transport and store your faceshield, goggles, and glasses in a soft cloth bag to minimize wear & tear\*

\*Wash according to the instructions above to remove any contaminants in order to maintain fabric performance when garment becomes soiled with dirt, greases, oils, etc.\*

\*If contaminants cannot be removed after laundering, it is best to discontinue use of garment.\*



NATIONAL SAFETY APPAREL®

# NSA Arc Flash Clothing - ArcGuard® Performance

## USER GUIDE

### VISUAL INSPECTIONS

#### Garments

Check for any holes, rips, tears or other damage to fabric. Remove from service if garments are damaged



Test closure systems like zippers, hook and loop, buckles, etc for dirt & wear.

#### Face-Shields

Check for significant scratches, cracks, etc.



Remove from service if shields are damaged

### WARNINGS

Warnings on the proper use of ArcGuard arc flash apparel are indicated on the inner garmented warning label.

Each garment contains the following warnings:

- This garment is flame resistant and constructed from flame resistant fabric and components. The user of this garment should read and understand all warnings printed on the reverse side of this label prior to using this product.
- This garment is not intended for fire protection, fire entry, structural or wildlands firefighting activities and provides no personal protection from chemical exposures. Remove at once if fouled with flammable material. To prevent the generation of potentially hazardous static electricity, do not don or remove in a hazardous area.
- DO NOT use this garment if it is torn, abraded or altered from its original condition. DO NOT use this garment unless it has been properly inspected and maintained by your employer.
- The user assumes all risks associated with the use of this product. The manufacturer is not liable for any loss, injury or death arising out of the use of this product.
- Failure to comply with these warnings may result in SERIOUS INJURY or DEATH

### Available 40 Cal Arc-Flash Equipment

#### Arc Flash PPE KITS



#### Arc Flash Bibs & Jackets



#### Arc Flash Hoods



For further information on available Arc-Flash Equipment and Sizing, please contact your local TEN office