When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water. When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water. When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water.

The West Closure Complex faced its first real test during Hurricane Katrina: the complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water. When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water. When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water. When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water. When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water. When Hurricane Katrina struck, most of New Orleans flooded up to 15 feet of water. The complex's walls west closure levees near Belle Chasse were under 15 feet of water. The Storm Damage Risk Reduction System (HSDRRS), Orleans was under 15 feet of water.
Magid A.R.C. Rubber Insulating Gloves are in a class all their own!

- Class 00, 0, 1, 2, 3 and 4
- 11", 14", 16" and 18" lengths
- Black, red, black/red and red/black colors
- Made from natural rubber latex
- Excellent dielectric properties
- Increased durability, flexibility and physical strength
- Contoured shape
- Flexible design
- Smooth finish
- Ultra-thin rear labels specify glove class
- Rolled cuff
- Meets ASTM D120-09 specifications and OSHA 29C FR 1910.269 regulations
- NFPA® 70E, 2012 compliant

<table>
<thead>
<tr>
<th>CLASS</th>
<th>LABEL</th>
<th>PROOF TEST VOLTAGE</th>
<th>MAX USE VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Beige</td>
<td>2,500 AC/10,000 DC</td>
<td>500 AC/750 DC</td>
</tr>
<tr>
<td>0</td>
<td>Red</td>
<td>5,000 AC/20,000 DC</td>
<td>1,000 AC/1,500 DC</td>
</tr>
<tr>
<td>1</td>
<td>White</td>
<td>10,000 AC/40,000 DC</td>
<td>7,500 AC/11,250 DC</td>
</tr>
<tr>
<td>2</td>
<td>Yellow</td>
<td>20,000 AC/50,000 DC</td>
<td>17,000 AC/25,500 DC</td>
</tr>
<tr>
<td>3</td>
<td>Green</td>
<td>30,000 AC/60,000 DC</td>
<td>26,500 AC/39,750 DC</td>
</tr>
<tr>
<td>4</td>
<td>Orange</td>
<td>40,000 AC/70,000 DC</td>
<td>36,000 AC/54,000 DC</td>
</tr>
</tbody>
</table>
A.R.C.™ Rubber Insulating Gloves

**CLASS 00 – LOW VOLTAGE –
UP TO 500 VOLTS AC/750 VOLTS DC**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M0011B</td>
<td>Class 00, 11&quot; length, black color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M0011R</td>
<td>Class 00, 11&quot; length, red color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M0014B</td>
<td>Class 00, 14&quot; length, black color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M0014R</td>
<td>Class 00, 14&quot; length, red color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
</tbody>
</table>

**CLASS 0 – LOW VOLTAGE –
UP TO 1,000 VOLTS AC/1,500 VOLTS DC**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M011B</td>
<td>Class 0, 11&quot; length, black color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M011R</td>
<td>Class 0, 11&quot; length, red color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M014B</td>
<td>Class 0, 14&quot; length, black color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M014R</td>
<td>Class 0, 14&quot; length, red color, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
</tbody>
</table>

**CLASS 1 – HIGH VOLTAGE –
UP TO 7,500 VOLTS AC/11,250 VOLTS DC**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M114BR</td>
<td>Class 1, 14&quot; length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M114RB</td>
<td>Class 1, 14&quot; length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M116BR</td>
<td>Class 1, 16&quot; length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M116RB</td>
<td>Class 1, 16&quot; length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
</tbody>
</table>

**CLASS 2 – HIGH VOLTAGE –
UP TO 17,000 VOLTS AC/25,500 VOLTS DC**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M214BR</td>
<td>Class 2, 14&quot; length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M214RB</td>
<td>Class 2, 14&quot; length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M216BR</td>
<td>Class 2, 16&quot; length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M216RB</td>
<td>Class 2, 16&quot; length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
</tbody>
</table>

Log on to [www.magidglove.com](http://www.magidglove.com) for more information and to see Magid’s full line of safety supplies.
Use of Leather Protectors with Rubber Insulating Gloves

ASTM F496 Standard Specification for In-Service Care of Insulating Gloves and Sleeves states that protector gloves shall be worn over rubber insulating gloves to help prevent mechanical damage. Please note that it is the buyer’s responsibility to specify that the correct overall protector length is used with the insulating glove. The figure below summarizes the minimum distance from leather protector and rubber insulating glove that should be adhered to as specified by the ASTM standards:

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M316BR</td>
<td>Class 3, 16” length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M316RB</td>
<td>Class 3, 16” length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M318BR</td>
<td>Class 3, 18” length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M318RB</td>
<td>Class 3, 18” length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M416BR</td>
<td>Class 4, 16” length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M416RB</td>
<td>Class 4, 16” length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M418BR</td>
<td>Class 4, 18” length, black/red color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>M418RB</td>
<td>Class 4, 18” length, red/black color, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
</tbody>
</table>
Magid® EGT Lab

Truly your one-stop safety source, Magid takes arc protection a step further with its in-house Electrical Glove Testing (EGT) Lab. Offering accurate and convenient testing services on new or in-service rubber gloves, Magid goes to great lengths to save you time and money by streamlining both your purchasing and testing needs. Sophisticated and savvy, the Magid EGT Lab’s advanced equipment utilizes digital microprocessor controls and metering as well as an intuitive menu-based test system to reduce testing time while ensuring accuracy. Its robust platform accommodates all glove classes (00-4), lengths (11”-18”) and cuffs (straight, contour, bell). All results are stored on a hard drive and outputted directly into Magid’s order tracking system. Virtually no other provider offers the same level of automation.

The ASTM F496 standard requires electrical rubber gloves in service to be electrically tested every six months. Gloves that have been tested but not issued for service must have been tested within the previous 12 months in order to be placed in service.

- Easy-to-operate menu-based system with predefined settings including test voltage, current limit, glove depth, water fill level, test time, blower speed and exhaust fan speed
- Automated controls eliminate operator error and optimize changeover between classes
- Digital reporting synchronizes results with order tracking system and includes employee name and ID number for added convenience
- Gloves returned with test results in 10-14 days date stamped with non-degrading ink
- North American Independent Lab (NAIL) Associated
- ASTM D120 and ASTM F496 compliant

Procedure for ordering glove test: See second page of order form for details.
Magid® PowerMaster® Low Voltage Leather Lineman’s Protector Gloves
Magid® PowerMaster® Low Voltage Leather Protector Gloves, made from premium, pearl goat grain leather, feature a gunn cut pattern, straight thumb and slip-on cuff except where noted. Use with Magid A.R.C. Class 00 and Class 0 Rubber Insulating Glove styles. Full and half sizes available.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12501PS</td>
<td>9½&quot; length, pearl color, pull strap, plastic buckle on back, sizes 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12</td>
</tr>
<tr>
<td>12502</td>
<td>9½&quot; length, pearl color, Kevlar® thread, protective thumb strap, elastic back, sizes 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12</td>
</tr>
<tr>
<td>12503</td>
<td>11&quot; length, pearl color, protective thumb strap, sizes 7, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12</td>
</tr>
<tr>
<td>12508</td>
<td>12&quot; length, pearl color, protective thumb strap, sizes 8.5, 9, 9.5, 10, 10.5, 11, 12</td>
</tr>
<tr>
<td>12604</td>
<td>13&quot; length, pearl color, pull strap, plastic buckle on back, 4&quot; denim cuff, sizes 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12</td>
</tr>
</tbody>
</table>

Magid® PowerMaster® High Voltage Leather Lineman’s Protector Gloves
Magid® PowerMaster® High Voltage Leather Protector Gloves are made from soft, grain goat and cowhide leather with a gunn cut pattern, straight thumb and gauntlet cuff except where noted and feature seam protector patch at the base of the wrist. Use with Magid® A.R.C.™ Class 1, 2, 3 and 4 Rubber Insulating Glove styles. Full and half sizes available.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>60604</td>
<td>13&quot; length, tan color, strap with metal buckle, tan split leather cuff, thumb strap, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12</td>
</tr>
<tr>
<td>60611PS</td>
<td>12&quot; length, tan color, straight thumb with strap, back strap with plastic buckle, 3½&quot; split cowhide cuff, sizes 8, 9, 10, 11, 12</td>
</tr>
<tr>
<td>606075ION</td>
<td>14&quot; length, tan color, pull strap, plastic buckle on back, grain goat leather, 5&quot; hi-viz orange gauntlet cuff, thumb strap, sizes 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12</td>
</tr>
<tr>
<td>66604</td>
<td>12&quot; length, yellow color, thumb strap, inside shirred elastic on back, yellow waterproof rubber gauntlet cuff, sizes 8, 9, 9.5, 10, 10.5, 11, 12, 14</td>
</tr>
</tbody>
</table>
Nationwide Cleanroom Laundry Services Serviced through locations in:
- Arizona
- California
- Colorado
- Mexico
- New Hampshire
- Oregon
- Puerto Rico
- Texas
- Virginia

www.apparelservicesnetwork.com
**Outperforms Treated and Other Flame-Resistant Fabrics.**

TenCate Tecasafe® Plus delivers superior electric arc and flash fire protection in a comfortable lightweight fabric. NFPA 70E and NFPA 2112 compliant, it lasts longer than FR treated fabrics, making Tecasafe Plus® a great value. Unlike other protective fabrics, it is inherently flame resistant. This means that the unique FR protection is built-in, so it won’t wash or wear out.

The chart below shows how Tecasafe® Plus provides unbeatable electric arc and flash fire protection in every category.

<table>
<thead>
<tr>
<th>Protection</th>
<th>FR Cotton</th>
<th>Nomex IIIA</th>
<th>Tecasafe® Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inherently Flame-Resistant</strong></td>
<td>FR properties will never wash out</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Flash Fire</strong></td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>NFPA 2112 Certified</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>CGSB 155.20 Certified</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>EN 531 Certified</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Electric Arc</strong></td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>NFPA 70E HRC 2 Compliant</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>High Visibility</strong></td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ANSI 107 High Visibility Certified</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>CSA Z96 High Visibility Certified</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Comfortable</strong></td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Good moisture management</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Soft hand</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Cellulosic blend</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Durable</strong></td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Can be industrially laundered</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Maintains like-new appearance after multiple industrial washes</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Cost Effective</strong></td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Low acquisition cost</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Long service life</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>
### PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FABRIC WEIGHT (±5%)</td>
<td>oz/yd² g/m²</td>
<td>5.8 197</td>
<td>5.8 197</td>
<td>7.0 238</td>
<td>7.0 238</td>
<td>6.7</td>
</tr>
<tr>
<td>FIBER BLEND</td>
<td>fr-modacrylic lyocell aramid</td>
<td>fr-modacrylic lyocell aramid</td>
<td>fr-modacrylic lyocell aramid</td>
<td>fr-modacrylic lyocell aramid</td>
<td>Protex® lyocell aramid</td>
<td></td>
</tr>
<tr>
<td>STANDARD COLORS (other colors available upon request)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARC THERMAL PERFORMANCE VALUE (ATPV) (cal/cm²)</td>
<td>ASTM F 1959</td>
<td>6.5</td>
<td>6.7</td>
<td>9.0</td>
<td>10.1</td>
<td>8.2</td>
</tr>
<tr>
<td>FLAME RESISTANCE</td>
<td>ASTM D 6413</td>
<td>Char Length (inches [warp x fill]) After Flame (seconds [warp x fill])</td>
<td>&lt; 4.0</td>
<td>&lt; 4.0</td>
<td>&lt; 4.0</td>
<td>&lt; 4.0</td>
</tr>
<tr>
<td>THERMAL PROTECTIVE PERFORMANCE (cal/cm²)</td>
<td>With spacer</td>
<td>9.6</td>
<td>9.8</td>
<td>12.3</td>
<td>10.0</td>
<td>11.0</td>
</tr>
<tr>
<td></td>
<td>Without spacer</td>
<td>6.6</td>
<td>6.5</td>
<td>10.9</td>
<td>7.5</td>
<td>7.0</td>
</tr>
<tr>
<td>FLASH FIRE EXPOSURE (Mankin Test)</td>
<td>ASTM F 1930</td>
<td>22 x 85</td>
<td>22 x 85</td>
<td>135 x 85</td>
<td>135 x 85</td>
<td>135 x 85</td>
</tr>
<tr>
<td>TENSILE STRENGTH (lbs [warp x fill])</td>
<td>ASTM D 5034</td>
<td>114 x 85</td>
<td>105 x 80</td>
<td>135 x 85</td>
<td>135 x 85</td>
<td>N/A**</td>
</tr>
<tr>
<td>ELMENDORF TEAR STRENGTH (lbs [warp x fill])</td>
<td>ASTM D 1424</td>
<td>11 x 10</td>
<td>11 x 10</td>
<td>10 x 8</td>
<td>12 x 10</td>
<td>N/A**</td>
</tr>
<tr>
<td>DIMENSIONAL STABILITY (% [5x] 120°F)</td>
<td>AATCC 135</td>
<td>≤ 3.0</td>
<td>≤ 3.0</td>
<td>≤ 3.0</td>
<td>≤ 3.0</td>
<td>N/A*</td>
</tr>
<tr>
<td>WICKING</td>
<td>1&quot; strip, tap water (seconds)</td>
<td>0.5 inches</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.0 inches</td>
<td>130</td>
<td>115</td>
<td>130</td>
<td>130</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.5 inches</td>
<td>290</td>
<td>280</td>
<td>290</td>
<td>290</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0 inches</td>
<td>610</td>
<td>530</td>
<td>610</td>
<td>610</td>
</tr>
<tr>
<td>PILLING RESISTANCE (%)</td>
<td>ASTM D 3512</td>
<td>30–120 minutes</td>
<td>*5</td>
<td>*5</td>
<td>*5</td>
<td>*4–5</td>
</tr>
<tr>
<td>THERMAL SHRINKAGE RESISTANCE (% [500°F, 5 minutes])</td>
<td>30 x 60</td>
<td>≤ 30</td>
<td>3.0</td>
<td>&lt; 30</td>
<td>&lt; 4.0</td>
<td>30 x 60</td>
</tr>
</tbody>
</table>

2. Tecasafe plus Hi-Vis Yellow meets high-visibility safety standards ANSI 107 and CSA Z96-2009.

* Ratings: *5—Best, *3—Acceptable, *1—Poor

* These tests are not typically run on knit fabrics.

** 670Sp Swiss Pique Ball Burst (lbf) ASTM D 3787-90

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### CONTACT US AT:

**TenCate Protective Fabrics**

6501 Mall Blvd.
P.O. Box 289
Union City, GA 30291

**Phone:** 1.800.241.8630
**Fax:** 1.770.969.6846
tencateprotectivefabrics.com
Flame-Resistant Denim

Protective Clothing

Magid Glove & Safety Manufacturing Company LLC

- Inherently FR
- HRC 2 - 14.2 cal/cm² ATPV
- Relaxed fit - 5 pocket pattern
- Dark blue denim color
- Extremely soft hand
- Exceptional wash down appearance
- Industrial and home laundry friendly
- 70% cotton/30% modacrylic blend
- Fabric manufactured by Springfield, LLC

FRSD550

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>DESCRIPTION</th>
<th>PR/CS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRSD550</td>
<td>HRC2 flame-resistant denim pants; waist sizes 28”–50”; inseams 30”–34”; even sizes only</td>
<td>20</td>
</tr>
</tbody>
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FR work pants that perform at the same high standards as you do

Our 7820FR work pants are not just ordinary work pants. We took invaluable input from wind industry experts and co-developed a work pant made just for them. Maximize the efficiency and safety of your Operation & Maintenance services by outfitting your service technicians with Woodland Workwear™ 7820FR Flame Resistant Utility Work Pants. The 7820FR is designed with job specific safety and functional features that include:

- KNEEDZ® Gel Kneepads built-in for full-time knee protection
- Flame Resistance protection from electrical arc flash & flash fire
- Pull out apron style pockets for tools and hardware
- Sixteen cargo/utility tool pockets, carabiner clip loop
- Double knee patches & cuff kick plates to extend wear life
- Re-enforced bar tacking & triple stitched seams throughout
- Generous cut/fit and a diamond crotch gusset for free movement
- Industrial Laundering compliant

KNEEDZ® Gel Comfort Technology

Kneeling on unsafe surfaces is part of the job when servicing a wind turbine. Having KNEEDZ® gel knee pads installed permanently in the 7820FR’s gives you peace of mind that your technicians and construction crews will be protected from knee injury.

- KNEEDZ® are Flame Resistant rated
- KNEEDZ® cannot be removed providing full time protection
- KNEEDZ® are strapless and free float in the pant legs, no more discomfort
- KNEEDZ® are non-absorbing, non-conductive
- KNEEDZ® never require replacement and won’t wear out or break down
- KNEEDZ® are Industrial Laundering compatible

Only the best FR fabrics will do

We take FR protection very seriously and that’s why Woodland Workwear™ FR products are made from Flame Resistant shell fabrics from Westex™. We won’t risk our reputation with FR fabrics that are unproven and don’t perform.

Many FR fabrics promote that they “meet the standards”; however they often experience quality problems including, inconsistent FR durability when laundering, poor shrinkage control, stiff feel, excessive color fading and UV degradation.

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Origin of Fabric</td>
<td>USA</td>
<td>USA</td>
<td>Asia</td>
<td>USA</td>
<td>USA</td>
<td>USA</td>
<td>USA</td>
</tr>
<tr>
<td>Flame Resistance:</td>
<td>Passes 100 Washings</td>
<td>Passes 100 Washings</td>
<td>Fails at 5 Washings</td>
<td>Passes at 25 Washings</td>
<td>Fails at 25 Washings</td>
<td>Fails at 75 Washings</td>
<td>Passes 100 Washings</td>
</tr>
<tr>
<td>Shrinkage:</td>
<td>Less than 7% at 100 washings</td>
<td>Less than 7% at 100 washings</td>
<td>Over 18% at 50 washings</td>
<td>Over 11% at 100 washings</td>
<td>Over 13% at 100 washings</td>
<td>Over 19% at 100 washings</td>
<td>Over 16% at 100 washings</td>
</tr>
<tr>
<td>Softness &amp; Comfort:</td>
<td>Soft Fabric Feel</td>
<td>Soft Fabric Feel</td>
<td>Moderate Fabric Feel</td>
<td>Soft Fabric Feel</td>
<td>Moderate Fabric Feel</td>
<td>Moderate Fabric Feel</td>
<td>Soft Fabric Feel</td>
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</tbody>
</table>

- Westex™ UltraSoft® made from 88% cotton, 12% high tenacity nylon, 9 oz.
- FR rating of Hazard/Risk Category HRC 2 and 12.4 ATPV (cal/cm2)
- Arc Flash Hazard compliance- NFPA 70E, ASTM F1506 and OSHA 1910.269
- Flash Fire Hazard compliance- NFPA 2112 and CGSB 155.20
- Available in Navy and Khaki- custom colors available
Magid® A.R.C.™ Flash Kits

Protective Clothing

- **Heavy Duty Coveralls**
  Magid® A.R.C.™ flame-resistant heavy duty coveralls

- **MSA V-Gard® Slotted Hard Hat with Face Shield, Chin Guard and Ratchet Suspension**

- **Magid® Gemstone® Myst Flex Safety Glasses**
  Grey temples, clear anti-fog lens

- **E-A-R® ARC Plug™ Earplugs**
  Dual-ended dielectric reusable earplug, NRR 22

- **Electrical Lineman’s Gloves**
  Class 0 and Class 00 low-voltage rubber lineman’s gloves

- **Magid® Powermaster® Leather Driver Gloves**
  Pearl grey leather protector gloves with pull straps

- **Canvas Glove Bag**
  Natural color canvas storage bag for rubber insulating gloves

- **Deluxe Black Equipment Bag**
  Grey trim and A.R.C.™ logo, 7 oz., 12” X 12” X 24”

- **Category 2 FR Balaclava**
  NFPA 70E 2012 compliance

**HRC2**
Hazard/Risk Category 2 NFPA 70E Compliant
A.R.C. Flash Kit

**OPTIONS FOR CUSTOMIZING YOUR MAGID A.R.C. FLASH KIT**

Please provide the following selections to your Magid Glove & Safety customer service agent or sales representative to assist in the selection of the A.R.C. HRC2 Flash Kit that will fit your needs:

- **Gloves:** Specify size (7-12; half sizes available from 8-12) ___

- **Linesman’s Gloves (9-1/2” driver’s style):**
  - Black
  - Red
  - Specify Class: Class 0 ___ Class 00 ___
  - Specify length: 11” ___ 14” ___

- **Coverall:** Specify color: Navy ___ Green ___

- **Coverall Specify size (S-6XL) ___

*Unless specified otherwise, the kit will include whichever color electrical gloves are available to expedite delivery.*

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www.magidglove.com 800.444.8030
A.R.C. UltraLite™ HRC4 Suit

Protective Clothing

ARC44LEH
HRC4 full olive hood with hard cap and light-enhanced faceshield.

ARC44J
HRC4 olive jacket; 44 cal/cm² 5 oz. outer layer and 6 oz. inner layer; available in sizes S-5XL

ARC44P
HRC4 olive pants; 44 cal/cm² 5 oz. outer layer and 6 oz. inner layer; available in sizes S-5XL

ARC44KTLEFN
ARC44KTLENG
Hazard/Risk Category 4 NFPA 70E Compliant A.R.C. HRC4 Kit.

Item No. | Description
---|---
ARC44LEH | HRC4 full olive hood with hard cap and light-enhanced faceshield; one size fits all
ARC44J | HRC4 olive jacket; 44 cal/cm² 5 oz. outer layer and 6 oz. inner layer; available in sizes S-5XL
ARC44P | HRC4 olive pants; 44 cal/cm² 5 oz. outer layer and 6 oz. inner layer; available in sizes S-5XL
ARCHOODFAN | Belt-mounted fan system w/customized hard cap
ARC44KTLEFN | ARC HRC4 Kit includes full three-piece suit, carrying bag (ARCFALLBAG2), eyeear (Y15CFACF), arc-resistant earplugs (ARCPLUG), belt-mounted fan system (ARCHOODFAN) and suit available in sizes S-5XL
ARC44KTLENG | ARC HRC4 Kit includes full three-piece suit, carrying bag (ARCFALLBAG2), eyewear (Y15CFACF), arc-resistant earplugs (ARCPLUG) and suit available in sizes S-5XL
ARCHOODFANBATT | Replacement battery for belt-mounted fan system (ARCHOODFAN)

Available individually or with a kit
ARC44KTLEFN Kit includes belt-mounted fan system for increased convenience, comfort and productivity
Arc Rating = 44 cal/cm²
Lightweight Nor*Fab® synthetic fiber blend construction with 5 oz. outer layer and 6 oz. inner layer
Three-piece suit includes full hood with hard cap & faceshield, coat and pants
Total suit weight under 6.5 lbs. with hard cap
Light-enhanced hood for better light transmission and color recognition
Elastic adjustable pulls at jacket waist, pant waist and leg openings
Leg gussets with zipper closures for easy on/off
NFPA 70E-2012 Hazard Risk Category 4 (HRC 4) Compliant

Made in the U.S.A.

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NSA's Arc H20 Rainwear has been certified to ASTM F 1891 & ASTM F 2733, making it one of the most advanced rainwear systems in the safety apparel industry. Arc H20 is specifically designed for arc flash exposure and to minimize body burn percentage while exposed to extreme open flame hazards also known as flash fires.

The premium 10 oz/yd² FR Polyurethane (PU) moisture barrier with an FR cotton weft knit fabric offers lightweight & stretchable comfort that combines a superior arc rating along with hi-vis protection. The FR PU material is durable, flexible and will not become brittle as it ages.

- HRC 2 Arc Rating = 19 cal/cm² (ASTM F 1891)
- Low flash fire body burn (ASTM F 2733)
- Hi-visibility rated (ANSI/ISEA 107)
- Resistant to most chemicals, acids, salts, and alkalies
- 100% waterproof with dielectrically welded seams

Features & Benefits

30" Length Jacket: (shown)
Also available as a 48" length trench coat
- Exclusive design for electric arc and flash fire protection
- Contoured collar with a tuck away attached hood
- FR hook and loop wrist cuff adjusters
- Two reinforced front patch pockets with FR hook and loop closure
- Strategically placed back vent with FR mesh allows for breathability by maximizing airflow
- D-ring opening for use with fall protection harness
- Key stress points are reinforced for added durability
- 360° Hi-Vis reflective striping

Bib Pant: (shown)
Also available in an elastic waist pant
- Quick release suspender system for easy donning and doffing
- Front snap fly closure
- FR hook and loop leg cuff adjusters
- 360° Hi-Vis reflective striping

Product Codes

ANSI 107 Class 3 Level 2
30" Length Jacket R30RL_06 (ANSI Fluorescent Yellow) *In-Stock*
30" Length Jacket R30RQ_06 (ANSI Fluorescent Orange)
48" Length Trench Coat R31RL_06 (ANSI Fluorescent Yellow) *In-Stock*
48" Length Trench Coat R31RQ_06 (ANSI Fluorescent Orange)

ANSI 107 Class 2 Level 2
30" Length Jacket R30RL_05 (ANSI Fluorescent Yellow)
30" Length Jacket R30RQ_05 (ANSI Fluorescent Orange)
48" Length Trench Coat R31RL_05 (ANSI Fluorescent Yellow)
48" Length Trench Coat R31RQ_05 (ANSI Fluorescent Orange)

ANSI 107 Class E Level 2
Bib Pant R40RL_14 (ANSI Fluorescent Yellow) *In-Stock*
Bib Pant R40RQ_14 (ANSI Fluorescent Orange)
Waist Pant R50RL_14 (ANSI Fluorescent Yellow)
Waist Pant R50RQ_14 (ANSI Fluorescent Orange)

Standards

ASTM F 2733
ASTM F 1891
NFPA 70E
ANSI 107

800.553.0672  www.nsamfg.com  protect@nsamfg.com
Introducing FR Hi-Visibility

National Safety Apparel has a variety of flame resistant hi-visibility garments available. Our Dual Action FR Hi-Visibility garments combine FR and Arc protection and provides the satisfaction of wearing one garment meeting NFPA 70E Level 2 and complies with ANSI 107 standards.

The FR properties of Reliant™ fabrics allow for a soft-to-the-touch feel that wicks moisture away from your skin, keeping the wearer cool and comfortable all day.

NSA’s Dual Action FR Hi-Visibility garments are available in several styles, ranging from short sleeve to long sleeve with Class 2 or Class 3 segmented striping configurations. The sleek segmented striping conforms to the garment, giving the wearer less restriction in a working environment.

Features:
- FR & Hi-Vis protection
- Lightweight & breathable construction
- Segmented striping
- Available in a variety of styles

Complies to:
- ANSI/ISEA 107-2010
- NFPA 70E – 2009
- ASTM 1506-10a
- OSHA 29 CFR 1910.269

Features:
- FR & Hi-Vis protection
- Lightweight & breathable construction
- Segmented striping
- Available in a variety of styles

Complies to:
- ANSI/ISEA 107-2010
- NFPA 70E – 2009
- ASTM 1506-10a
- OSHA 29 CFR 1910.269

Item No. Description Availability
V00HA_2V Class 2 FR Hi-Vis Mesh Vest, FR Hook-and-Loop Closure (Arc Rating = 5.1 cal/cm²) Stock
V00HA_3V Class 3 FR Hi-Vis Mesh Vest, FR Hook-and-Loop Closure (Arc Rating = 5.1 cal/cm²) Stock
C54HY_C2 Class 2 FR Hi-Vis Reliant™ Short Sleeve T-Shirt (Arc Rating = 10 cal/cm²) Made-To-Order
C54HY_C3 Class 3 FR Hi-Vis Reliant™ Short Sleeve T-Shirt (Arc Rating = 10 cal/cm²) Stock
C54HY_LSC2 Class 2 FR Hi-Vis Reliant™ Long Sleeve T-Shirt (Arc Rating = 10 cal/cm²) Made-To-Order
C54HY_LSC3 Class 3 FR Hi-Vis Reliant™ Long Sleeve T-Shirt (Arc Rating = 10 cal/cm²) Made-To-Order
C21HC_03C2 Class 2 FR Hi-Vis Reliant™ Hooded/Pullover Sweatshirt (Arc Rating = 10.7 cal/cm²) Made-To-Order
C21HC_03C3 Class 3 FR Hi-Vis Reliant™ Hooded/Pullover Sweatshirt (Arc Rating = 19.7 cal/cm²) Made-To-Order
C21HC_05C2 Class 2 FR Hi-Vis Reliant™ Hooded/Zipper Sweatshirt (Arc Rating = 19.7 cal/cm²) Made-To-Order
C21HC_05C3 Class 3 FR Hi-Vis Reliant™ Hooded/Zipper Sweatshirt (Arc Rating = 19.7 cal/cm²) Made-To-Order

Dashes(_ _) in Item No. are reserved for Desired Size: SM, MD, LG, XL, 2X, 3X
Heavy Duty Line is manufactured using 9 oz. 100% cotton sateen or 12 oz. 100% cotton twill and the Comfort Line is constructed using a 7 oz. or 9 oz. 88% cotton/12% nylon blend. Specially treated and constructed with Nomex® thread to protect against arc flash hazards. Multiple pockets available on most garments provide convenient storage. Concealed snap closures for enhanced safety. Featuring durable, bar-tacked belt loops, Heavy Duty Line pants have standard waist while Comfort Line pants have curtain waistband for flexibility in sizing with Nomex® taped zipper for increased arc protection. NFPA 70E-2010 Hazard Risk Category 2 (HRC 2) Compliant. Meets ASTM F1506-02A, and ASTM F1959M/F1959M-99 safety standards. Available in a multitude of sizes and colors as well as relaxed fit style.

**Item No.**  **Description**  **Sizes**
1540 9 oz. Heavy Duty Line green coveralls, 10.0 cal/cm²  S-6XL
N1540 9 oz. Heavy Duty Line navy coveralls, 10.0 cal/cm²  S-6XL
KH1540 9 oz. Heavy Duty Line khaki coveralls, 10.0 cal/cm²  S-6XL
R1540NP 9 oz. Heavy Duty Line orange coveralls, 10.0 cal/cm², no pockets  S-6XL

Custom A.R.C.™ Flash Kits also available. Ask your Magid representative today!
NFPA 70E HRC4 compliant with an arc rating of 49.5 cal/cm²

Sturdy, 11 oz., Indura UltraSoft® brown duck outer shell provides rugged protection against heat and flames

Thick, 12 oz., Moda Quilt® liner offers added warmth and comfort

Available in sizes S-5XL to accommodate a wide-range of fitting requirements


Industry-leading pricing
## Accessories

### Protective Clothing & Equipment

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Color Code</th>
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<tbody>
<tr>
<td>National Safety Apparel™ H11RY Arc Flash Balaclava</td>
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<tr>
<td>Magid® A.R.C.™ GB12 Rubber Insulating Glove Bag</td>
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<tr>
<td>Magid® Gemstone® Myst Flex Y15 Protective Eyewear</td>
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<tr>
<td>3M™ E-A-R™ ARC Plug™ earplugs</td>
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<tr>
<td>Magid® A.R.C.™ FALLBAG2 Black Deluxe Equipment Bag</td>
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<tr>
<td>Magid® ARCHOODFAN Belt Mounted Fan</td>
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<tr>
<td>Magid® ARCHOODFANBATT Replacement Rechargeable Battery for Belt Mounted Fan</td>
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<tr>
<td>MSA® Arc 10063107 Shield Visor Propionate</td>
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<tr>
<td>DBI® Nano-Lok Arc Flash Self Retracting Lifeline</td>
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<tr>
<td>DBI/Sala 3101360 SRL Single Leg Swiveling Snap Hook</td>
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<tr>
<td>DBI/Sala 3101364 Single Leg SRL Aluminum Rebar Hook</td>
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<tr>
<td>DBI/Sala 3101381 Twin Leg Swiveling Snap Hook</td>
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<tr>
<td>DBI/Sala 3101384 Twin Leg Aluminum Rebar</td>
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<tr>
<td>DBI/Sala 3101375 SRL for Bucket Truck/Aerial Lift</td>
<td></td>
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<tr>
<td>MSA Topgard® Slotted Protective Hard Caps with Dielectric Properties</td>
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ELECTRICAL GLOVE TESTING? Contact Magid Customer Service at 800.444.8030, and state that you want to place an Electrical Glove Testing (EGT) order. See last page for Steps to Electrical Glove Testing Success with Magid Glove & Safety.
1. Placing the Order - Contact Magid Customer Service at 800.444.8030, and state that you want to place an Electrical Glove Testing (EGT) order. Make certain to have the following information available and ready:

   → PO# (if referencing one)
   → Shipping address to send gloves once testing is complete
   → Name and preferred contact information (e-mail or fax number) that Magid will use to send shipping instructions, a receipt of notification and a copy of the test report
   → Estimated number of pairs for testing (no need for the exact size or class breakdown)
   → Requested date for test completion if not immediately
   → Any additional comments

2. Shipping Instructions - Magid will auto e-mail or fax a confirmation to you with the order number and lab shipping instructions after you place the order with Customer Service. Please write the order number given on the outside of the boxes and place a copy of the confirmation inside one of the boxes.

3. Order Confirmation - Magid will enter your gloves into our computer system by class, size, length, cuff type, color and brand once they receive them. The computer system will then generate an auto e-mail or fax to inform you of the arrival of your gloves, highlighting any quantity discrepancies. Gloves with a specified future testing date will be stored until said date arrives. Otherwise, testing will begin immediately.

4. Testing Process

   1. Wash (by washing machine or hand) and dry gloves
   2. Visually inspect gloves in glove inflators by filling them with air and thoroughly checking for defects, recording all visual failures and stamping gloves accordingly
   3. Electrically test gloves with no visual failures using the voltage/time necessary based on the standard, and pull all gloves with failures from the machine to record and stamp as failed while testing the remaining gloves again
   4. Dry, date stamp and prepare all the gloves that passed for shipment back to you while auto e-mailing or faxing notification of test completion with a copy of the test report
   5. Ship back all gloves (both passed and failed) to you with a test report

For more information, contact your Magid representative today!

www.magidglove.com 800.444.8030