

**PRODUCT  
SELECTION  
GUIDE**

# Textiles for

**M**aintenance  
**R**epair  
**O**perations  
**&**  
**O**riginal  
**E**quipment  
**M**anufacturers

U.S. Manufacturer!



AMI is a small U.S. company that makes heavy-duty, heat-resistant textiles for many large industries around the globe!

We began making safe alternatives to asbestos textiles and never stopped growing our line of products. Over four decades later, we are still adding new products to meet the needs of new customers who need protection from heat and fire in their operations.

This Product Selection Guide is designed to help industrial users—large and small—better understand which AMI products can make their operations run more efficiently and safely.

## MAINTENANCE | REPAIR | OPERATIONS



MINING



OIL & PETROCHEMICAL



GLASS MAKING



INSTITUTIONAL BUILDING RETROFIT

## ORIGINAL EQUIPMENT MANUFACTURERS



AEROSPACE



DEFENSE | SHIP & SUBMARINE BUILDING & REPAIR



AUTOMOTIVE MANUFACTURING

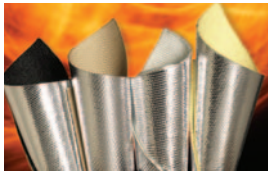


ELECTRIC VEHICLE - BATTERY STORAGE

AMI offers the widest range of extreme temperature textiles for end-users in the MRO (Maintenance, Repair & Operations) and OEM (Original Equipment Manufacturers) markets. This guide will help you find the type of product that fits your application. If you don't see what you need, please visit our website for more data or ask us a question by using the Contact Us link on the site. We're here to help solve your heat issues!

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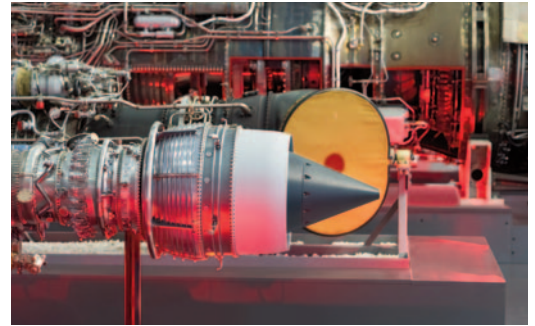


# AMI Meets and Sets High Standards

AMI is all about meeting the highest safety and performance-based standards. Whether you're building a ship or working to save energy in your facilities, we meet the standards you depend on!

## Military

- MIL-C-20079H — Glass Cloth for thermal insulation components
- MIL-C-24576A — Cloth, Silica Glass for welding and cutting operations
- USCG164.009 — Test for non-combustibility
- NRC 1.36 — Nuclear Regulatory Commission Standard
- MIL-DTL-24244D — Insulation Material with Special Corrosion, Chloride and Fluoride Requirements
- US DOE Safety Rule 10 CFR 851 — Worker Safety and Health Program (for DOE and National Nuclear Security Administration)
- US DOL 1910.252 — OSHA Standard on Welding, Cutting and Brazing



## Industry

- ANSI/FM 4950 — Standard for Evaluating Welding Pads, Blankets and Curtains for Hot Work Operations
- NFPA 51B — Standard for Fire Prevention During Welding, Cutting and Other Hot Work
- NFPA 701 — Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
- California Code of Regulations, Title 8, Section 4848 Fire Prevention and Suppression Procedures
- ANSI Z49.1 — Safety in Welding, Cutting and Allied Processes
- API 2009 — Safe Welding, Cutting and Hot Work Practices in the Petroleum and Petrochemical Industries
- ASTM E84 — Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM C335 — Standard Test Method for Steady-State Heat Transfer Properties of Pipe Insulation
- ASTM C553 — Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications
- ASTM C1695 — Standard Specification for Fabrication of Flexible Removable and Reusable Blanket Insulation for Hot Service
- ASTM D6413 — Standard Test Method for Flame Resistance of Textiles (Vertical Test)
- ASTM E96 — Standard Test Method for Water Vapor Transmission of Materials



## Codes

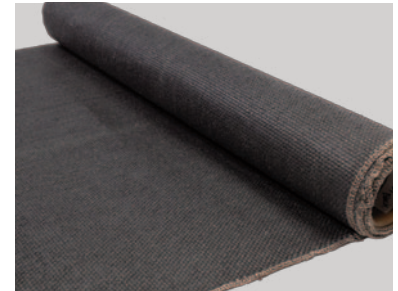
- Cage Code #9Y192
- NAICS Code #313210

# PRODUCT SERIES KEY

All AMI trademarked product lines are coded by a Prefix to make them easier to identify when ordering and using. Here's how it works:

## AMI-GLAS® - 100% fiberglass

|      |   |
|------|---|
| GL   | 100% fiberglass textiles including cloth, tapes & fabricated items. Ex: GL08-2 (see tapes)                      |
| GLTW | Fiberglass cloth with special <b>twill weave</b> .  |
| PGL  | 100% <b>Preox</b> (partially carbonized acrylic/fiber) non-woven with a core fabric woven from 100% fiberglass. |
| RGL  | Fiberglass cloth treated with an inorganic, <b>rewettable</b> coating.  |
| AGL  | <b>Aluminized foil</b> bonded to fiberglass cloth.  |
| AMGL | <b>Aluminized polyester film</b> bonded to fiberglass cloth.  |
| GLW  | Stainless steel <b>wire</b> inserted fiberglass cloth.  |
| GLWB | <b>Brass wire</b> inserted fiberglass cloth.  |
| GLN  | 100% fiberglass cloth coated with <b>neoprene</b> rubber on one side.   |
| GLT  | 100% fiberglass <b>tubing</b> (or sleeving).  |
| GLR  | High density and low density knitted fiberglass <b>rope</b> /tadpole.   |



Vextra

## AMI-FLEX® - Aramid fiber blend with fiberglass yarn imbedded for added heat protection

|       |   |
|-------|---|
| FLT   | AMI-FLEX yarn woven into a <b>tubing</b> or sleeving.   |
| AFL   | <b>Aluminized polyester film</b> bonded to AMI-FLEX® fabric.                                      |
| FL    | <b>AMI-FLEX</b> Core spun aramid yarn with fiberglass core.                                       |
| FFLHB | <b>AMI-FLEX</b> cloth with <b>Herringbone</b> weave.  |
| FLP   | <b>AMI-FLEX Cloth</b> with <b>Preox</b> (partially carbonized acrylic fiber) needled on one side. |
| FLPN  | <b>AMI-FLEX Cloth</b> with a needled blend of <b>aramid/carbonized acrylic fiber</b> .            |
| AFLPN | <b>Aluminized polyester film</b> bonded to AMI-FLEX "FLPN" above.                                 |



AMI-FLEX

## AMI-THERM® - Aramid non-woven insulation fabric

|    |                        |
|----|------------------------|
| NX | Needled fabric & tapes |
|----|------------------------|

## AMI-SIL® - Essentially pure amorphous silica

|        |  |
|--------|--|
| AST    | <b>AMI-SIL</b> Amorphous silica <b>tubing</b> .                              |
| AS     | <b>AMI-SIL</b> Amorphous silica <b>cloth, tapes &amp; fabricated items</b> . |
| AAS    | <b>Aluminized polyester film</b> bonded to AMI-SIL fabric.                   |
| CAS    | <b>Commercial grade</b> AMI-SIL Fabric                                       |
| SAS    | <b>Silicone coated</b> AMI-SIL Fabric  |
| ASR    | AMI-SIL Amorphous silica <b>rope</b> .                                       |
| AS-PSA | AMI-SIL cloth or tape with <b>pressure sensitive adhesive</b> .              |

## AMI-TUF® - Silicone coated AMI-GLAS®

|       |  |
|-------|--|
| SGL   | <b>Silicone coated</b> AMI-GLAS cloth & tape.                            |
| SGLHB | Silicone coated fiberglass in a <b>Herringbone</b> weave.                |
| SGLP  | Silicone coated fiberglass compounded with <b>polysiloxane polymer</b> . |



AMI-TUF

## VEXTRA® - Vermiculite-coated AMI-GLAS®

|       |  |
|-------|--|
| GLTWV | <b>Twill weave</b> vermiculite-coated fiberglass.  |
| GLV   | Vermiculite-coated <b>AMI-GLAS</b> cloth & tape.   |
| GLVB  | Black Vermiculite-coated AMI-GLAS.   |
| GLWV  | <b>AMI-GLAS</b> cloth with <b>stainless steel wire</b> plied with <b>vermiculite coating</b> . |
| SGLV  | <b>AMI-TUF</b> (SGL) cloth with <b>vermiculite coating</b> .                                   |
| GLTV  | <b>AMI-GLAS</b> tubing with vermiculite coating.   |
| FLVB  | <b>AMI-FLEX</b> fabric with a <b>black vermiculite coating</b> .                               |



AMI-GUARD

## AMI-FAB® - Removable insulation system

|     |                                    |
|-----|------------------------------------|
| KV  | Para-aramid thread for sewing.     |
| TGL | Coated fiberglass sewing thread.   |
| WM  | Stainless steel knitted wire mesh. |

## AMI-FAB® - Composite of aramid-fiberglass and partially carbonized non-woven acrylic

|     |  |
|-----|--|
| FLP | Composite of aramid-fiberglass and partially carbonized acrylic. |
|-----|--|

## GOLDENGLAS® - Neoprene-coated AMI-GLAS®

|     |  |
|-----|--|
| GLN | 100% fiberglass cloth coated with neoprene rubber. |
|-----|--|

# HEAT RESISTANT TEXTILES **CLOTH**

AMI manufactures a complete line of standard fiberglass, silicone-coated, and WETWRAP™ rewettable encapsulation cloth.

## APPLICATIONS INCLUDE:

- ▶ Pipe wrap
- ▶ Expansion joints
- ▶ Heat barriers
- ▶ Machinery protection
- ▶ Insulation pads for removable flange and valve covers (Please refer to Insulation Textiles Section)



## AMI-GLAS® (GL)

**100% fiberglass cloth is safe, tough and versatile**

| Product Code   | Finished Nom. Wt./yd. <sup>2</sup> | Thickness | Width    | Government Specs.                                    |
|--|------------------------------------|-----------|----------|--|
| GL0850   | 9 oz.                              | .018"     | 60"      | MIL-C-20079H, Type 1, Class 3<br>MIL-D-24244 D(SH)   |
| GL1100   | 11 oz.                             | .013"     | 38", 60" |  |
| GL1201   | 12 oz.                             | .025"     | 40", 60" |  |
| GL1202   | 12 oz.                             | .025"     | 60"      | MIL-C-20079H, Type 1, Class 7                        |
| GL1300   | 13 oz.                             | .016"     | 60"      |  |
| GL2025   | 18 oz.                             | .036"     | 40", 60" | MIL-C-20079H, Type 1, Class 9<br>MIL-DTL-24244 D(SH) |
| GL2401   | 24 oz.                             | .055"     | 40", 60" |  |
| GL3001   | 30 oz.                             | .065"     | 40", 60" |  |
| GL3201   | 32 oz.                             | .070"     | 40", 60" |  |
| GL3500   | 35 oz.                             | .080"     | 40", 60" |  |
| GL4000   | 40 oz.                             | .090"     | 40", 60" |  |
| GL6000   | 60 oz.                             | .125"     | 40", 60" |  |
| <i>All uncoated fiberglass fabrics are noncombustible meeting USCG 164.009-5(f).</i>                                 |                                    |           |          |  |
| <b>Twill Weave</b>   |                                    |           |          |  |
| GLTW2600   | 26 oz.                             | .055"     | 40", 60" |  |
| <b>Rewettable</b>  |                                    |           |          |  |
| RGL1450  | 15 oz.                             | .027"     | 60"      | MIL-C 20079H, Type 1, Class 4                        |
| <b>Aluminized (300°F/149°C temperature resistance reflects limitation of adhesive for aluminization)</b>             |                                    |           |          |  |
| AGL0850  | 13 oz.                             | .020"     | 60"      |  |
| AGL2025-9383   | 21 oz.                             | .031"     | 48", 60" | MIL-C-20079H, Type 1, Class 10                       |
| AGL2401  | 28 oz.                             | .056"     | 40"      |  |
| AGL3201  | 36 oz.                             | .068"     | 40"      |  |
| AGL3500  | 39 oz.                             | .081"     | 40"      |  |
| AGL4000  | 44 oz.                             | .091"     | 40"      |  |
| <b>Aluminized P.E.T. Film (450°F/232°C temperature resistance reflects limitation of adhesive for aluminization)</b> |                                    |           |          |  |
| AMGL1300   | 16 oz.                             | .016"     | 59"      |  |
| AMGL2025   | 19 oz.                             | .030"     | 40"      |  |
| AMGL2401   | 26 oz.                             | .042"     | 40"      |  |
| <b>Wire Inserted</b>   |                                    |           |          |  |
| GLW2025  | 18 oz.                             | .030"     | 40", 60" |  |
| GLW2401  | 24 oz.                             | .055"     | 40", 60" |  |
| GLW3001  | 30 oz.                             | .070"     | 40", 60" |  |
| GLW3201  | 32 oz.                             | .067"     | 40", 60" |  |
| GLW3500  | 35 oz.                             | .080"     | 40", 60" |  |
| GLWB3500   | 35 oz.                             | .080"     | 40", 60" |  |
| GLW4000  | 40 oz.                             | .090"     | 40", 60" |  |
| GLW6000  | 60 oz.                             | .125"     | 40", 60" |  |
| GLWB6000   | 60 oz.                             | .125"     | 40", 60" |  |

### NOTES:

- Other GL fabrics are available wire inserted upon request
- Finish treatments: Colors Available, RR (Ravel Resistance) and DRX Coating. Does not meet MIL spec.
- 9383 Heat treatment available at no charge to meet MIL-C-20079H
- Due to lamination process, product widths may vary.



## CARBO-GLAS® (PGL)

**Fiberglass carbon composite cloth**

| Product Code | Weight/yd. <sup>2</sup> | Thickness | Width |
|--------------|-------------------------|-----------|-------|
| PGL1400-1    | 14 oz.                  | .075"     | 60"   |
| PGL2000      | 20 oz.                  | .150"     | 60"   |



AMI's AMI-GLAS® products with foil lamination

# HEAT RESISTANT TEXTILES CLOTH



## VEXTRA® (GLV)

100% fiberglass cloth coated with noncombustible vermiculite armor

| Product Code  | Finished Nom. Wt./yd. <sup>2</sup> | Thickness | Width    |
|---|------------------------------------|-----------|----------|
| GLV1201   | 13 oz.                             | .030"     | 40", 60" |
| GLV2025   | 18 oz.                             | .030"     | 40", 60" |
| GLV2025-TP  | 19 oz.                             | .030"     | 40", 60" |
| GLV2401   | 25 oz.                             | .055"     | 40", 60" |
| GLV2401-TP  | 26 oz.                             | .055"     | 40", 60" |
| GLV3001   | 31 oz.                             | .065"     | 40", 60" |
| GLV3001-TP  | 33 oz.                             | .065"     | 40", 60" |
| GLV3201   | 33 oz.                             | .070"     | 40", 60" |
| GLV3201-TP  | 35 oz.                             | .070"     | 40", 60" |
| GLV3500   | 37 oz.                             | .080"     | 40", 60" |
| GLV3500-TP  | 39 oz.                             | .080"     | 40", 60" |
| GLV4000   | 42 oz.                             | .090"     | 40", 60" |
| GLV4000-TP  | 44 oz.                             | .090"     | 40", 60" |
| GLV5200   | 52 oz.                             | .057"     | 36"      |
| GLV6000   | 62 oz.                             | .125"     | 40", 60" |
| GLV6000-TP  | 66 oz.                             | .125"     | 40", 60" |
| <b>Black Cloth</b>  |                                    |           |          |
| FLVB1700-TP   | 20 oz.                             | .065"     | 40", 60" |
| FLVB2800-TP   | 28 oz.                             | .095"     | 40", 60" |
| GLVB2401-TP   | 26 oz.                             | .055"     | 40", 60" |
| GLVB3500-TP   | 39 oz.                             | .080"     | 40", 60" |
| <b>Silicone-Coated (500°F/260°C temperature resistance reflects limitation of silicone coating)</b> |                                    |           |          |
| SGLV3001-1-TP   | 39 oz.                             | .070"     | 40", 60" |
| SGLV6000-1-TP   | 75 oz.                             | .115"     | 40", 60" |
| <b>Stainless Steel Wire Plied with Fiberglass Yarns</b>   |                                    |           |          |
| GLWV2401-TP   | 24 oz.                             | .055"     | 40", 60" |
| GLWV3500  | 35 oz.                             | .080"     | 40", 60" |



## AMI-TUF® (SGL, TGL AND TR)

Silicone rubber-coated and coated fiberglass cloth repels oil and moisture

| Product Code   | Finished Nom. Wt./yd. <sup>2</sup> | Thickness | Width    |
|--|------------------------------------|-----------|----------|
| <b>Silicone-Coated</b>   |                                    |           |          |
| SGL1400  | 14 oz.                             | .013"     | 38", 60" |
| SGL1700  | 17 oz.                             | .016"     | 60"      |
| SGLHB2000  | 20 oz.                             | .025"     | 38", 60" |
| SGL3200  | 32 oz.                             | .035"     | 37", 60" |
| SGL5300  | 53 oz.                             | .060"     | 40", 60" |
| SGL6300  | 63 oz.                             | .060"     | 36", 60" |
| SGL9000  | 90 oz.                             | .125"     | 40", 60" |
| <b>PTFE-Coated (withstands temperatures to 550°F/288°C continuous)</b> |                                    |           |          |
| TGL140   | 14 oz.                             | .012"     | 60"      |
| TGL165   | 17 oz.                             | .017"     | 60"      |
| TGL180   | 18 oz.                             | .018"     | 60"      |
| <b>AMI-TUF PLUS</b>  |                                    |           |          |
| SGLP1400   | 14 oz.                             | .015"     | 37", 60" |
| SGLP1700   | 16 oz.                             | .016"     | 60"      |
| SGLP3100   | 31 oz.                             | .037"     | 37", 60" |
| <b>AMI-TUF (TR)</b>  |                                    |           |          |
| SGL1400 TR   | 14 oz.                             | .018"     | 38", 60" |

### NOTES:

- 10 different colors available; for TGL fabrics, gray is standard, other colors available at extra charge (See Insulation Textiles—Cold Side for color selection)
- Standard Put-Ups: 50 yd. rolls (SGL 9000 available in 25 yd. rolls maximum)

AMI-TUF® TR Translucent flexible heat and fire barrier. Ideal for data center protection, hot and cold aisle containment, hot work containment and liners for vinyl welding curtains.



## GOLDENGLAS®

Gold neoprene rubber coating withstands heavy use

| Product Code | Finished Nom. Wt./yd. <sup>2</sup> | Thickness | Width    |
|--------------|------------------------------------|-----------|----------|
| GLN2025      | 18 oz.                             | .030"     | 40", 60" |
| GLN2401      | 24 oz.                             | .055"     | 40", 60" |

# HEAT RESISTANT TEXTILES CLOTH



## AMI-FLEX® (FL)

*Advanced composite of aramid and fiberglass fibers handles the rugged jobs*

| Product Code  | Finished Nom. Wt./yd. <sup>2</sup> | Thickness | Width    |
|---|------------------------------------|-----------|----------|
| FL1200  | 12 oz.                             | .056"     | 40", 60" |
| FL1700  | 17 oz.                             | .065"     | 40", 60" |
| FL2200  | 22 oz.                             | .080"     | 40", 60" |
| FL2800  | 28 oz.                             | .095"     | 60"      |
| FLP3000   | 30 oz.                             | .145"     | 40", 60" |
| FLPBI2200   | 22 oz.                             | .080"     | 40", 60" |
| <b>Aluminized (450°F/232°C temperature resistance reflects limitation of adhesive for aluminization)</b>    |                                    |           |          |
| AFL1200   | 14 oz.                             | .038"     | 40"      |
| AFL1700   | 19 oz.                             | .052"     | 40", 60" |
| AFLPN1500   | 17 oz.                             | .070"     | 40", 60" |
| <b>Herringbone Weave</b>  |                                    |           |          |
| FLHB2200  | 22 oz.                             | .080"     | 40", 60" |
| <b>CARBO-FLEX® (500°F/260°C temperature resistance reflects limitation of partially carbonized acrylic)</b> |                                    |           |          |
| FLPN1500  | 15 oz.                             | .100"     | 40"      |

### NOTES:

- Available with RR, DRC, or DRC with DRX coatings. See page 23 for coating descriptions.



## AMI-THERM® (NX)

*Aramid non-woven cloth provides twice the insulation value of fiberglass with added flexibility*

| Product Code | Construction  | Thickness | Width |
|--------------|---------------|-----------|-------|
| NX08         | Needled       | .125"     | 40"   |
| NX16S        | Stitch-Bonded | .060"     | 45"   |
| NX16F        | Needled       | .070"     | 40"   |

### NOTES:

- Minimum order: 1 roll
- Special widths available on request
- Roll length 100 ft.



## AMI-SIL® (AS)

*Min. 96% pure amorphous silica cloth for the ultimate in high temperature protection*

| Product Code   | Finished Nom. Wt./yd. <sup>2</sup> | Thickness | Width    |
|--|------------------------------------|-----------|----------|
| AS1800F  | 18 oz.                             | .030"     | 36"      |
| AS1800G  | 18 oz.                             | .026"     | 36", 60" |
| AS2400   | 24 oz.                             | .040"     | 36", 60" |
| AS3600   | 36 oz.                             | .054"     | 36", 60" |
| <b>Commercial Grade</b>  |                                    |           |          |
| CAS1200  | 13 oz.                             | .028"     | 36"      |
| CAS1700  | 17 oz.                             | .035"     | 39"      |
| CAS4000  | 40 oz.                             | .090"     | 39", 60" |
| <b>Abrasion Resistant</b>  |                                    |           |          |
| AS1800GAR  | 18 oz.                             | .026"     | 36", 60" |
| AS1800FAR  | 18 oz.                             | .030"     | 36"      |
| AS2400AR   | 24 oz.                             | .040"     | 36", 60" |
| AS3600AR   | 36 oz.                             | .054"     | 36", 60" |
| CAS1200AR  | 13 oz.                             | .028"     | 36"      |
| CAS1700AR  | 17 oz.                             | .035"     | 39"      |
| CAS4000AR  | 40 oz.                             | .090"     | 39"      |
| <b>Silicone-Coated (500°F/260°C temperature resistance reflects limitation of silicone coating)</b>            |                                    |           |          |
| SAS1800F-1   | 23 oz.                             | .036"     | 36", 60" |
| SAS2400-1  | 29 oz.                             | .047"     | 36", 60" |
| <b>Aluminized (450°F/232°C temperature resistance reflects limitation of adhesive for aluminization)</b>       |                                    |           |          |
| AAS1800-G  | 18 oz.                             | .032"     | 36"      |
| AAS2400  | 25 oz.                             | .040"     | 36"      |
| AAS3600  | 37 oz.                             | .054"     | 36"      |
| <b>Pressure Sensitive Adhesive Backed (300°F/150°C temperature resistance reflects limitation of adhesive)</b> |                                    |           |          |
| AS1800FAR-PSA  | 18 oz.                             | .030"     | 36"      |
| AS3600-PSA   | 36 oz.                             | .054"     | 36", 60" |

### NOTES:

- Standard Put-Ups: 50 yd. rolls
- Construction: woven with non-texturized yarn
- Pre-Shrunk Silica available upon request.
- Abrasion Resistant (AR) coated finish is available. See page 23 for coating descriptions.



# WELDING PROTECTION FABRIC GUIDELINES

AMI makes many different types of high temperature fabrics for welding safety use, ranging in temperature resistance from 225°F (107°C) to 3000°F (1650°C). They are designed for a wide range of applications and levels of heat exposure, and are available with a variety of fibers and coatings.

- AMI-GLAS® - 100% fiberglass
- VEXTRA® - Vermiculite-Coated AMI-GLAS®
- GOLDENGLAS® - Neoprene-Coated AMI-GLAS®
- AMI-TUF® - Silicone-coated AMI-GLAS®
- CARBO-GLAS® - Carbon-Fiberglass Composite
- AMI-SIL® - Essentially Pure Amorphous Silica

## FM APPROVED FABRICS

Ongoing third-party certification is critical to safe product performance. To date, over 20 of our fabrics have been tested and rated to the ANSI/FM 4950 Standard, and our plants and processes have been successfully and regularly audited by FM Approvals. The FM Approvals mark is your assurance that the fabrics conform to the highest internationally accepted standards for quality, safety, and performance.

FM Approvals is the testing and certification arm of insurer, FM Global. It developed the first performance-based standard for “Welding Curtains, Blankets and Pads” — the FM 4950 Standard. Early in 2007, the FM 4950 test procedures were adopted by the widely recognized ANSI (American National Standards Institute) as ANSI/FM 4950. The Standard rates fabrics based on severity of use. The rating system makes it easy for safety professionals to determine which of the three levels of fire protection — welding curtains, welding blankets or welding pads — is needed for a specific hot work operation.

## NFPA 51B REQUIRES RATED MATERIALS






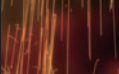



In 2009, NFPA revised the *NFPA 51B Standard for Fire Prevention During Welding, Cutting and Other Hot Work*. NFPA 51B now requires that welding blankets, curtains and pads be listed, approved, or the equivalent, for such use. One such listing includes ANSI/FM 4950, American National Standard for Evaluating Welding Pads, Welding Blankets and Welding Curtains for Hot Work Operations.

## FABRIC RATINGS

**Welding Curtains** — intended for use in VERTICAL applications with LIGHT to MODERATE exposures to sparks and heat, such as that resulting from chipping, grinding, heat-treating, sand blasting and light horizontal welding. They are designed to prevent sparks from escaping the designated work area.

**Welding Blankets** — intended for use in HORIZONTAL applications with LIGHT to MODERATE exposures to sparks, heat and molten metal slag. They are designed to protect machinery and prevent ignition of combustibles, located in the designated work area.

**Welding Pads** — intended for use in HORIZONTAL applications with SEVERE exposures, such as that resulting from molten substances or heavy horizontal welding. Designed to prevent the ignition of combustibles that are located adjacent to the underside of the pad.

| APPLICATION  | ANSI/FM 4950 RATING   |   |   |
|--|---|---|---|
|  | CURTAIN   | BLANKET   | PAD   |
| <b>Vertical</b><br>Light Moderate Sparks           |  |  |  |
| <b>Horizontal</b><br>Light/Moderate Sparks<br>Heat |  |  |  |
| <b>Horizontal</b><br>Severe Molten Metal           |  |  |  |

## FABRIC LABELING — CERTIFIED TO THE CORE

For added assurance, AMI prominently labels their products to the core. The FM Approved marking is located on the exterior product packaging, and is printed directly on all AMI hot works fabrics, and the mark can be found on the inner cardboard core of every roll.

**CAUTION:** All fabrics are potentially subject to burn-through. To be effective, fabrics used for welding protection purposes must be utilized as part of a fire prevention system. They should always be employed in accordance with the procedures set forth in NFPA 51B Hot Work Standard or other applicable standards.

# AMI FM APPROVED WELDING FABRICS



## FM APPROVED FABRICS RATING KEY INFORMATION

To make it easier to choose the right FM Approved fabric for a specific hot work operation, AMI has rated the fabrics as GOOD, BETTER and BEST. The rating determines the level of protection offered by the fabrics.

### On a scale of 1-10:

Fabrics with a rating of 1-3 are rated "GOOD"; 4-6 are rated "BETTER"; and 7-10 are rated "BEST"

The ratings take into account a number of factors such as durability, weatherization and thermal performance. Rating determination is based on distance from hot work, amount of mechanical abuse, level of exposure to sparks and slag, location of the fabric, moisture concerns, elements such as wind and UV if application is outdoors, how much of the fabric will be exposed, and is workspace open or confined.

## AMI-SIL® (AS)

**Minimum 96% pure amorphous silica cloth for extreme temperature protection. Continuous operating temperature: 1800°F (980°C).**

| AMI Fabric Rating | FM Approved Category | Product Code | Finished Nom. Wt. | Thickness | Width    |
|-------------------|----------------------|--------------|-------------------|-----------|----------|
| GOOD 1            | Curtain              | CAS1200      | 12 oz.            | .028"     | 36"      |
| GOOD 1            | Curtain              | AS1800F      | 18 oz.            | .030"     | 36"      |
| GOOD 1            | Curtain              | AS1800G      | 18 oz.            | .026"     | 36", 60" |
| BETTER 4          | Curtain              | AS2400       | 24 oz.            | .040"     | 36", 60" |
| BEST 8            | Pad                  | AS3600       | 36 oz.            | .054"     | 36", 60" |
| BEST 8            | Pad                  | CAS4000*     | 40 oz.            | .090"     | 39", 60" |
| BEST 9            | Blanket              | SAS2400-1**  | 29 oz.            | .047"     | 36", 60" |

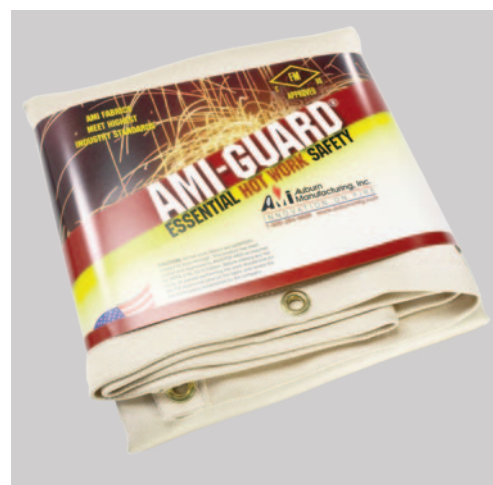
\* AMI-SIL® CAS4000 only available in rolled goods. Not recommended for fabrication.

\*\* Silicone-coated AMI-SIL® (500°F/260°C) temperature resistance reflects limitation of silicone coating.

## AMI-GLAS® (GL)

**100% fiberglass fabric – the welding safety standard. Continuous operating temperature: 1000°F (540°C).**

| AMI Fabric Rating | FM Approved Category | Product Code        | Finished Nom. Wt. | Thickness | Width    |
|-------------------|----------------------|---------------------|-------------------|-----------|----------|
| GOOD 2            | Curtain              | GL1300 Plain/Colors | 13 oz.            | .016"     | 60"      |
| GOOD 2            | Curtain              | GL2025-9383         | 18 oz.            | .036"     | 40", 60" |
| GOOD 2            | Curtain              | GL2401 Plain/Colors | 24 oz.            | .055"     | 40", 60" |



# AMI FM APPROVED WELDING FABRICS



## AMI-TUF® (SGL)

*Silicone coated fiberglass, good for outdoor use. Continuous operating temperature: 500°F (260°C).*

| AMI Fabric Rating | FM Approved Category | Product Code | Finished Nom. Wt. | Thickness | Width    |
|-------------------|----------------------|--------------|-------------------|-----------|----------|
| GOOD 3            | Curtain              | SGL1400      | 14 oz.            | .013"     | 38", 60" |
| BETTER 5          | Curtain              | SGL1700      | 17 oz.            | .016"     | 60"      |
| BETTER 5          | Curtain              | SGL3200      | 32 oz.            | .035"     | 37", 60" |
| BETTER 6          | Curtain              | SGLP3100     | 31 oz.            | .037"     | 37", 60" |

## GOLDENGLAS® (GLN)

*100% fiberglass cloth coated with tough neoprene rubber. Continuous operating temperature: 225°F (107°C).*

| AMI Fabric Rating | FM Approved Category | Product Code | Finished Nom. Wt. | Thickness | Width    |
|-------------------|----------------------|--------------|-------------------|-----------|----------|
| BETTER 6          | Curtain              | GLN2025      | 21 oz.            | .030"     | 40", 60" |
| BETTER 6          | Curtain              | GLN2401      | 27 oz.            | .055"     | 40", 60" |

## CARBO-GLAS® (PGL)

*Advanced carbon fiberglass composite. Continuous operating temperature: 500°F (260°C).*

| AMI Fabric Rating | FM Approved Category | Product Code | Finished Nom. Wt. | Thickness | Width |
|-------------------|----------------------|--------------|-------------------|-----------|-------|
| BEST 7            | Pad                  | PGL2000      | 20 oz.            | .150"     | 60"   |

## VEXTRA® (GLV)

*Vermiculite-coated fiberglass (remains stable to 1500°F/815°C). Continuous operating temperature: 1000°F (540°C).*

| AMI Fabric Rating | FM Approved Category | Product Code    | Finished Nom. Wt. | Thickness | Width    |
|-------------------|----------------------|-----------------|-------------------|-----------|----------|
| GOOD 2            | Curtain              | GLV2025 9383 TP | 19 oz.            | .030"     | 40", 60" |
| GOOD 2            | Curtain              | GLV3201 TP      | 35 oz.            | .070"     | 40", 60" |
| GOOD 2            | Curtain              | GLV3500 TP      | 38 oz.            | .080"     | 40", 60" |
| BEST 10           | Pad                  | SGLV6000-1* TP  | 75 oz.            | .115"     | 40", 60" |

\* Silicone-coated VEXTRA® (500°F/260°C) temperature resistance reflects limitation of silicone coating.

## AMI-GUARD® FIRE QUILT™ — Meets 15kA Maximum Arc Current

*Quilted composite with a fiberglass mat between two layers of fiberglass that has been coated with a specially formulated black silicone compound. Temperature resistance of fiberglass mat: 1000°F (540°C)*

*Silicone coated fabric: 500°F (260°C)*

| AMI Fabric Rating | FM Approved Category | Product Code     | Finished Nom. Wt. | Thickness | Width   |
|-------------------|----------------------|------------------|-------------------|-----------|---|
| BEST 9            | Pad                  | SGLP14 Composite | 55 oz.            | .250"     | 4'x4', 4'x8' Quilted Blanket (standard square size for quilting is 6"x6") |

## FABRICATED CURTAINS, PADS, AND BLANKETS

Many of these fabrics are available as curtains, pads or blankets, with or without grommets, custom sewn to fit your specific needs, or in standard sizes. Grommets are placed 18" on center on all four sides. Standard thread is coated fiberglass.

Standard Sizes Available

|         |         |         |
|---------|---------|---------|
| 3' x 5' | 5' x 6' | 5' x 8' |
|---------|---------|---------|



Fabrics come in various sizes and colors.



AMI's FM Approved, 3-in-1, ready-to-go, quilted welding curtain, blanket or pad meets 15kA Maximum Arc Current



# HEAT RESISTANT INSULATION TAPES

AMI's lightweight, non-irritating insulating tape is the result of over 4 decades of continuous innovation in weaving and coating technologies. They are ideal for demanding applications such as protecting small steam lines, pipe and hose coverings, exhaust manifolds and expansion joints.

## APPLICATIONS INCLUDE:

- ▶ Pipe wrap
- ▶ Hose and cable coverings
- ▶ Heat barriers
- ▶ Exhaust manifold wrap
- ▶ Expansion joints
- ▶ OEM heat shields



### AMI-GLAS® (GL)

*Texturized fiberglass tapes provide outstanding insulation for pipe and joint applications*

| Product Code | Thickness | Width         |
|--------------|-----------|---------------|
| GL32         | .032"     | 1" – 6"       |
| GL16         | .060"     | 1/2" – 7 1/2" |
| GL08         | .125"     | 1/2" – 7"     |
| GL04         | .250"     | 1" – 4"       |
| GL02         | .500"     | 1" – 4"       |

#### NOTES:

- Standard Put-Ups: 50 ft. and 100 ft. rolls
- Pressure sensitive adhesive tapes available in most sizes
- Available plain or bolt hole



AMI Heat Resistant Tapes



### VEXTRA® (GLV)

*Fiberglass tapes with vermiculite armor*

| Product Code   | Thickness | Width         |
|----------------|-----------|---------------|
| GLV32          | .032"     | 1" – 6"       |
| GLV16          | .060"     | 1/2" – 7 1/2" |
| GLVB16 (Black) | .060"     | 1" – 7"       |
| GLV08          | .125"     | 3/4" – 7"     |
| GLV04          | .250"     | 1 1/2" – 6"   |

#### NOTES:

- Standard Put-Ups: 50 ft. and 100 ft. rolls
- Pressure sensitive adhesive tapes available
- Available plain or bolt hole



AMI-GLAS® Bolt Hole Tape



VEXTRA® Fiberglass Tape With Vermiculite Armor—Available In Black

# HEAT RESISTANT INSULATION TAPES



## AMI-THERM® (NX)

*Our aramid non-woven tape provides twice the insulation value of fiberglass*

| Product Code | Thickness | Width   | Construction  |
|--------------|-----------|---------|---------------|
| NX08         | .125"     | 1" – 8" | Needled       |
| NX16S        | .060"     | 1" – 6" | Stitch-Bonded |
| NX16F        | .070"     | 1" – 6" | Needled       |

### NOTES:

- Standard Put-Ups: 100 ft. rolls, NX08 = 50 ft. per roll



## AMI-FLEX® (FL)

*Aramid/fiberglass tape for tough jobs requiring extra flexibility and durability*

| Product Code | Thickness | Width   | Standard Put-Ups |
|--------------|-----------|---------|------------------|
| FL16         | .060"     | 1" – 6" | 100 ft. rolls    |
| FL04         | .250"     | 1" – 4" | 50 ft. rolls     |

### NOTES:

- Construction: woven
- Available with pressure sensitive adhesive upon request



## AMI-SIL® (AS-PSA)

*Pressure sensitive adhesive-backed amorphous silica tapes offer the best in high temperature insulation and cohesion for pipe wrap applications. PSA limitation is 300°F. Silica is 1800°F.*

| Product Code   | Thickness | Width   | Standard Put-Ups |
|--|-----------|---------|------------------|
| <b>Slit and Pressure Sensitive Adhesive-Backed Cloth Tapes</b> |           |         |                  |
| AS18-PSA   | .030"     | 1" – 5" | 150 ft. rolls    |
| AS36-PSA   | .054"     | 1" – 5" | 75 ft. rolls     |
| AS50   | .050"     | 1" – 6" | 100 ft. rolls    |
| AS90   | .090"     | 1" – 6" | 50 ft. rolls     |

### NOTES:

- Construction: woven and slit
- Other widths are available on request up to 36"

# PIPE & HOSE COVERING **TUBING**

Install AMI woven insulation tubing over pipes and instrumentation lines to protect personnel and equipment, save energy and money.

## APPLICATIONS INCLUDE:

- ▶ Protection of hose lines
- ▶ Protection of cable
- ▶ Protection of metal tubing
- ▶ Protection of steam tracing lines



## AMI-GLAS® (GLT)

**100% fiberglass tubing is the industrial standard for tough, versatile protection**

| Product Code | Inner Diameter |
|--------------|----------------|
| GLT375       | 3/8"           |
| GLT500       | 1/2"           |
| GLT625       | 5/8"           |
| GLT750       | 3/4"           |
| GLT1000      | 1"             |
| GLT1250      | 1 1/4"         |
| GLT1500      | 1 1/2"         |
| GLT1750      | 1 3/4"         |
| GLT2000      | 2"             |
| GLT2250      | 2 1/4"         |
| GLT2500      | 2 1/2"         |
| GLT3000      | 3"             |
| GLT3500      | 3 1/2"         |

### NOTES:

- Standard Put-Ups: 100 ft. rolls
- Thickness: .060" wall
- Construction: woven



AMI-GLAS® Insulated Tubing



# PIPE & HOSE COVERING TUBING



## VEXTRA® (GLTV)

*Vermiculite-coated fiberglass woven tubing provides 50% more protection than standard fiberglass*

| Product Code | Inner Diameter |
|--------------|----------------|
| GLTV375      | 3/8"           |
| GLTV500      | 1/2"           |
| GLTV625      | 5/8"           |
| GLTV750      | 3/4"           |
| GLTV875      | 7/8"           |
| GLTV1000     | 1"             |
| GLTV1250     | 1 1/4"         |
| GLTV1500     | 1 1/2"         |
| GLTV1750     | 1 3/4"         |
| GLTV2000     | 2"             |
| GLTV2250     | 2 1/4"         |
| GLTV2500     | 2 1/2"         |
| GLTV3000     | 3"             |
| GLTV3500     | 3 1/2"         |

### NOTES:

- Standard Put-Ups: 100 ft. rolls
- Thickness: .060" wall
- Construction: woven



AMI's VEXTRA® Vermiculite Coated Fiberglass Tubing



## AMI-FLEX® (FLT)

*Aramid woven tubing is lightweight and flexible with twice the protection of fiberglass*

| Product Code | Inner Diameter |
|--------------|----------------|
| FLT375       | 3/8"           |
| FLT500       | 1/2"           |
| FLT625       | 5/8"           |
| FLT750       | 3/4"           |
| FLT1000      | 1"             |
| FLT1250      | 1 1/4"         |
| FLT1500      | 1 1/2"         |
| FLT1750      | 1 3/4"         |
| FLT2000      | 2"             |

### NOTES:

- Standard Put-Ups: 100 ft. rolls
- Thickness: .060" wall
- Construction: woven



AMI's AMI-FLEX® Tubing



# GASKETING & SEALING ROPES

Look to AMI for the industry's broadest expertise in fiberglass ropes for gasketing...and the best prices you'll find.

## APPLICATIONS INCLUDE:

- ▶ Gasketing and wicking applications
- ▶ Oven door seals
- ▶ Drawstring for removable insulation jackets

(Please see Page 20)



## AMI-GLAS® (GLR)

**100% fiberglass ropes are the industry standard for seals and gasketing**

| Product Code | Yield         | Outer Diameter | Ft./case |
|--------------|---------------|----------------|----------|
| GLR125HD     | 150.0 ft./lb. | 1/8"           | 3750     |
| GLR188HD     | 102.0 ft./lb. | 3/16"          | 2550     |
| GLR250HD     | 45.5 ft./lb.  | 1/4"           | 1138     |
| GLR375HD     | 25.0 ft./lb.  | 3/8"           | 625      |
| GLR500HD     | 15.0 ft./lb.  | 1/2"           | 375      |
| GLR625HD     | 10.0 ft./lb.  | 5/8"           | 250      |
| GLR750HD     | 7.6 ft./lb.   | 3/4"           | 205      |
| GLR875HD     | 5.5 ft./lb.   | 7/8"           | 138      |
| GLR1000HD    | 4.5 ft./lb.   | 1"             | 113      |
| GLR1250HD    | 3.0 ft./lb.   | 1 1/4"         | 75       |
| GLR1500HD    | 2.0 ft./lb.   | 1 1/2"         | 50       |
| GLR2000HD    | 0.74 ft./lb.  | 2"             | 50       |

| Product Code | Yield        | Outer Diameter | Ft./case |
|--------------|--------------|----------------|----------|
| GLR250LD     | 78.0 ft./lb. | 1/4"           | 1950     |
| GLR375LD     | 46.1 ft./lb. | 3/8"           | 1153     |
| GLR500LD     | 26.1 ft./lb. | 1/2"           | 653      |
| GLR625LD     | 17.3 ft./lb. | 5/8"           | 433      |
| GLR750LD     | 12.8 ft./lb. | 3/4"           | 320      |
| GLR875LD     | 7.3 ft./lb.  | 7/8"           | 183      |
| GLR1000LD    | 6.2 ft./lb.  | 1"             | 155      |
| GLR1250LD    | 3.7 ft./lb.  | 1 1/4"         | 93       |
| GLR1500LD    | 2.5 ft./lb.  | 1 1/2"         | 63       |

### NOTES:

- Construction: knitted
- Available in High Density (HD) or Low Density (LD)
- Larger diameters available on request
- Different densities available upon request
- Spooling available



# GASKETING & SEALING ROPES



## AMI-FLEX® (FLR)

*Advanced composite of aramid and fiberglass—a powerful combination of strength and versatility*

| Product Code | Yield        | Diameter | Ft./case |
|--------------|--------------|----------|----------|
| FLR125       | 320 ft./lb.  | 1/8"     | 4000     |
| FLR188       | 256 ft./lb.  | 3/16"    | 3200     |
| FLR250       | 80 ft./lb.   | 1/4"     | 2000     |
| FLR375       | 64 ft./lb.   | 3/8"     | 1600     |
| FLR500       | 33.6 ft./lb. | 1/2"     | 840      |

### NOTES:

- Construction: knitted



## AMI-SIL® (ASR) High Density

*Min. 96% pure amorphous silica ropes provide maximum protection against the highest temperatures*

| Product Code | Yield        | Diameter | Ft./case |
|--------------|--------------|----------|----------|
| ASR375HD     | 37.5 ft./lb. | 3/8"     | 625      |
| ASR500HD     | 22.5 ft./lb. | 1/2"     | 375      |
| ASR625HD     | 15 ft./lb.   | 5/8"     | 250      |
| ASR750HD     | 12.3 ft./lb. | 3/4"     | 205      |
| ASR875HD     | 8.3 ft./lb.  | 7/8"     | 138      |
| ASR1000HD    | 6.8 ft./lb.  | 1"       | 113      |
| ASR1250HD    | 4.5 ft./lb.  | 1 1/4"   | 75       |
| ASR1500HD    | 3 ft./lb.    | 1 1/2"   | 50       |



AMI-FLEX® (FLR) Ropes



AMI-SIL® (ASR) Ropes



# GASKETING & SEALING **TADPOLE**

## TAPES

Please refer to the Tapes section in Pipe & Hose Covering for a wide range of AMI tapes suitable for gasketing applications.

## TADPOLE TAPES

AMI offers a variety of fabricated tadpole gaskets and other specialty tapes to meet your gasketing needs.



### TADPOLE TAPES

#### **AMI-GLAS® (GL) — .125" Tail Thickness**

**100% fiberglass tadpole tapes are strong and dependable**

| Product Code | Overall Width | Bulb Diameter |
|--------------|---------------|---------------|
| GL16-1000    | 1"            | 3/8" – 5/8"   |
| GL16-1250    | 1 1/4"        | 3/8" – 3/4"   |
| GL16-1375    | 1 3/8"        | 3/8" – 3/4"   |
| GL16-1500    | 1 1/2"        | 3/8" – 3/4"   |
| GL16-1625    | 1 5/8"        | 3/8" – 3/4"   |
| GL16-1750    | 1 3/4"        | 3/8" – 1 1/2" |
| GL16-1875    | 1 7/8"        | 3/8" – 1 1/2" |
| GL16-2000    | 2"            | 3/8" – 1 1/2" |
| GL16-2250    | 2 1/4"        | 3/8" – 1 1/2" |
| GL16-2375    | 2 3/8"        | 3/8" – 1 1/2" |
| GL16-2500    | 2 1/2"        | 3/8" – 1 1/2" |
| GL16-2625    | 2 5/8"        | 3/8" – 1 1/2" |
| GL16-2750    | 2 3/4"        | 3/8" – 1 1/2" |
| GL16-3000    | 3"            | 3/8" – 1 1/2" |

#### NOTES:

- Standard Put-Ups: 100 ft. lengths
- Thickness: .060" wall
- Available Plain or 9383 Heat Cleaned
- Custom sizes available
- Other bulb choices available



Tadpole Tapes — .125" Tail Thickness



# GASKETING & SEALING TADPOLE



## VEXTRA® (GLV) — .125" Tail Thickness

*Tadpole tapes with vermiculite armor (remains stable to 1500°F/815°C)*

| Product Code | Overall Width | Bulb Diameter |
|--------------|---------------|---------------|
| GLV16-1000   | 1"            | 3/8" – 5/8"   |
| GLV16-1250   | 1 1/4"        | 3/8" – 3/4"   |
| GLV16-1375   | 1 3/8"        | 3/8" – 3/4"   |
| GLV16-1500   | 1 1/2"        | 3/8" – 3/4"   |
| GLV16-1750   | 1 3/4"        | 3/8" – 1 1/2" |
| GLV16-1875   | 1 7/8"        | 3/8" – 1 1/2" |
| GLV16-2000   | 2"            | 3/8" – 1 1/2" |
| GLV16-2025   | 2 1/16"       | 3/8" – 1 1/2" |
| GLV16-2125   | 2 1/8"        | 3/8" – 1 1/2" |
| GLV16-2250   | 2 1/4"        | 3/8" – 1 1/2" |
| GLV16-2375   | 2 3/8"        | 3/8" – 1 1/2" |
| GLV16-2500   | 2 1/2"        | 3/8" – 1 1/2" |
| GLV16-2625   | 2 5/8"        | 3/8" – 1 1/2" |
| GLV16-2750   | 2 3/4"        | 3/8" – 1 1/2" |
| GLV16-3000   | 3"            | 3/8" – 1 1/2" |



### NOTES:

- Standard Put-Ups: 100 ft. lengths
- Tape construction: woven, vermiculite coating
- Bulb construction: knitted fiberglass rope core
- Thickness: .060" wall
- Custom sizes available
- Other bulb choices available
- Tail thickness is 0.125"



## AMI-SIL® (AS) — .125" Tail Thickness

*Min. 96% pure amorphous silica tadpole tape is our most powerful shield against extreme temperatures*

| Product Code | Overall Width | Bulb Diameter |
|--------------|---------------|---------------|
| AS16-1000    | 1"            | 3/8" – 5/8"   |
| AS16-1250    | 1 1/4"        | 3/8" – 3/4"   |
| AS16-1500    | 1 1/2"        | 3/8" – 3/4"   |
| AS16-1750    | 1 3/4"        | 3/8" – 1 1/2" |
| AS16-2000    | 2"            | 3/8" – 1 1/2" |
| AS16-2250    | 2 1/4"        | 3/8" – 1 1/2" |
| AS16-2500    | 2 1/2"        | 3/8" – 1 1/2" |
| AS16-2750    | 2 3/4"        | 3/8" – 1 1/2" |
| AS16-3000    | 3"            | 3/8" – 1 1/2" |
| AS16-3500    | 3 1/2"        | 3/8" – 1 1/2" |



### NOTES:

- Standard Put-Ups: 25 ft. lengths
- Jacket construction: woven
- Rope construction: knitted
- Special sizes available on request
- Thickness: .060" wall
- Tail thickness is 0.125"

# INSULATION TEXTILES

## EVER GREEN® CUT 'N WRAP™



INSTITUTIONAL USE

### All-In-One Insulation Kit For Pipe Components & Fittings. Perfect for Institutional use.

AMI's Ever Green® Cut 'n Wrap™ Insulation Kits are the first all-in-one modular system for fast, on-site fabrication of removable insulation covers that can be fabricated and installed onsite in minutes, and start saving energy immediately. The Cut 'n Wrap Insulation Kits are ready-to-use, removable and reusable insulated blankets that cover steam, hot water, and dual temperature distribution piping, valves, flanges, fittings and other hard-to-get-to components. Only utility knife and plier stapler needed.



### AMI offers Ever Green Kits in three temperature ranges:

#### Ever Green HS — rated to 500°F — For indoor steam and hot water distribution systems

- Each kit includes one 4 ft. x 8 ft. modular blanket and one 75 ft. roll of hook and loop fastener
- Industrial-grade coated fabric rated to 500°F continuous service
- Each kit can typically insulate 3-5 components
- Available in 3 standard colors: Evergreen, Gray, White
- Starter Kit available. Starter kits includes staple pliers, box of staples, utility knife and work apron



#### Ever Green ET — rated to 700°F on hot (challenge) side — For steam and process lines

- Each kit includes one 4 ft. x 8 ft. modular blanket and one 75 ft. roll of hook and loop fastener
- 2 inch Eco-friendly fiberglass insulation rated to 700°F
- Available in 3 colors: Evergreen, Gray, White



#### Ever Green CHW — rated Min/Max: 32°F/250°F — For chilled water dual temperature components

- Each kit includes one 4 ft. x 8 ft. modularized insulation blanket with a zero- perm vapor retarder and a 75 ft. roll of 4 in. wide zero-perm pressure sensitive tape, a tube of silicone caulk and a utility knife
- 2 inch Eco-friendly fiberglass insulation



| Product Code | Weight    | Size      | Maximum Use Temp |
|--------------|-----------|-----------|------------------|
| EG HS Kit    | 19.0 lbs. | 32 sq.ft. | 500°F            |
| EG ET Kit    | 19.0 lbs. | 32 sq.ft. | 700°F            |
| EG CHW Kit   | 27.0 lbs. | 32 sq.ft. | 250°F            |

#### EG Accessories

|                        |   |
|------------------------|---|
| EG Tool Kit            | Includes staple pliers, box of staples, utility knife, work apron |
| EG Hook & Loop - Green | 75 ft. Roll   |
| EG Hook & Loop - Black | 75 ft. Roll   |
| EG Zero Perm Tape      | 75 ft. Roll   |

#### NOTES:

- Meets ASTM C1695-10: Specification for Fabricating Flexible Removable & Reusable Blankets



CUT.



WRAP.



STRAP.



# INSULATION TEXTILES **HOT SIDE**

Removable insulation jackets save energy...and money for heavy industrial use.

Our AMI-FAB® pad component system includes everything needed to fabricate custom-made, removable insulation jackets.. We can also recommend reputable pad making companies near you.

## HOT SIDE

Against the pipe or valve, AMI recommends fiberglass or silica cloth, depending on your temperature resistance requirements.



### AMI-GLAS® (GL)

**100% fiberglass cloth – the dependable standard for pipe and valve protection**

| Product Code | Weight/yd. <sup>2</sup> | Thickness | Width    |
|--------------|-------------------------|-----------|----------|
| GL2025*      | 18 oz.                  | .036"     | 40", 60" |

**\*Government Specs: MIL-C-20079H; TYPE 1, CLASS 9 (WITH 9383 HEAT FINISH)**

#### NOTES:

- Standard Put-Ups: 50 yd. rolls



### VEXTRA® (GLV)

**Tough and durable vermiculite-coated cloth (remains stable to 1500°F/815°C)**

| Product Code | Weight/yd. <sup>2</sup> | Thickness | Width    |
|--------------|-------------------------|-----------|----------|
| GLV2025      | 18 oz.                  | .030"     | 40", 60" |
| GLV2025-TP   | 19 oz.                  | .030"     | 40", 60" |
| GLV2401      | 25 oz.                  | .055"     | 40", 60" |

#### NOTES:

- Standard Put-Ups: 50 yd. rolls
- Standard Color: bronze. Additional colors available.



### AMI-SIL® (AS)

**Min. 96% pure amorphous silica cloth is the ultimate defense against the hottest temperatures**

| Product Code              | Weight/yd. <sup>2</sup> | Thickness | Width    |
|---------------------------|-------------------------|-----------|----------|
| <b>Plain</b>              |                         |           |          |
| CAS1200                   | 13 oz.                  | .028"     | 36"      |
| AS2400                    | 24 oz.                  | .040"     | 36", 60" |
| AS3600*                   | 36 oz.                  | .054"     | 36", 60" |
| <b>Abrasion Resistant</b> |                         |           |          |
| AS2400AR                  | 24 oz.                  | .040"     | 36", 60" |
| AS3600AR                  | 36 oz.                  | .054"     | 36", 60" |

**\*Government Specs: MIL-C-24576A(SH); TYPE 1, CLASS 1**

#### NOTES:

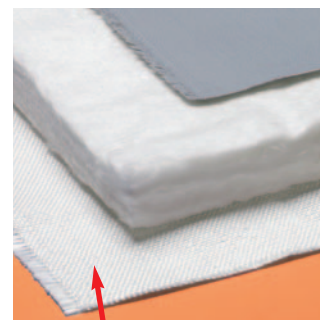
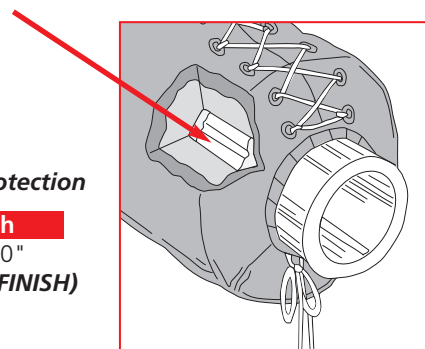
- Standard Put-Ups: 50 yd. rolls
- Available in Abrasion Resistant (AR)
- AMI-SIL Fabrics are not pre-shrunk
- Construction: woven with non-texturized yarn

### KNITTED WIRE MESH (for additional hot side fabric protection)

| Product Code | Material          | Weight/ft. <sup>2</sup> | Thickness |
|--------------|-------------------|-------------------------|-----------|
| WM08         | Stainless Steel   | 24 lb.                  | .008"     |
| WM11         | Knitted Wire Mesh | 14 lb.                  | .011"     |

#### NOTES:

- Width: 18", 24", 30", 42"
- Auburn Mfg. does not manufacture needled mat products – please call us for sourcing information



Hot Side Fabrics



## COLD SIDE

The outer layer of your insulation jacket provides critical protection for heavy industrial use. Our AMI-FAB® system includes oil resistant silicone-coated AMI-TUF® cloth, available in many different colors to match your environment, indicate a safety hazard or color-code your process.



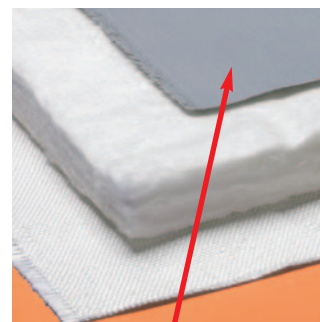
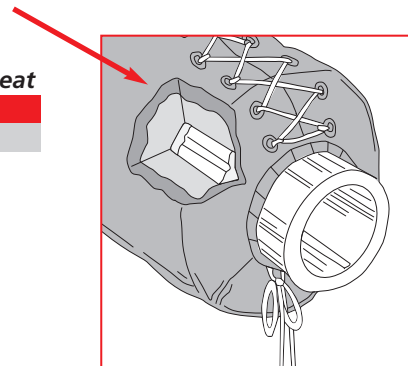
### AMI-TUF® (SGL)

**Silicone rubber-coated cloth provides tough resistance to water, oil and heat**

| Product Code                            | Weight/yd. <sup>2</sup> | Thickness |
|---|-------------------------|-----------|
| <b>Silicone-coated fiberglass cloth</b> |                         |           |
| SGL1400                                 | 14 oz.                  | .013"     |
| SGL1700                                 | 17 oz.                  | .016"     |
| SGLHB2000                               | 20 oz.                  | .025"     |
| SGL3200                                 | 32 oz.                  | .035"     |

#### NOTES:

- Standard Put-Ups: 50 yd. rolls
- Widths 37", 38", 60"



Cold Side Fabrics



### AMI-GLAS® (AGL)

**Aluminized 100% fiberglass fabric for spray shield applications (temperature resistance reflects limitation of adhesive for aluminization)**

| Product Code | Weight/yd. <sup>2</sup> | Thickness |
|--------------|-------------------------|-----------|
| AGL2025-9383 | 21 oz.                  | .031"     |

#### NOTES:

- Aluminized for spray shields
- Width: 48" and 60"
- 60" width meets Government Specs: MIL-20079H; TYPE 1, CLASS 10



### AMI-GLAS® (RGL)

**100% fiberglass cloth treated with an organic, rewettable coating**

| Product Code | Weight/yd. <sup>2</sup> | Thickness |
|--------------|-------------------------|-----------|
| RGL1450      | 14.5 oz.                | .027"     |

#### NOTES:

- Width: 60"
- Meets MIL-C-20079H, TYPE 1, CLASS 4



#### AMI-TUF (SGL) AVAILABLE COLORS:

##### Standard Colors:

Red  
Gray  
Salmon

##### Premium Colors:

Carlsbad Tan  
Bright Yellow  
Red Guard  
Juniper  
Hess Green  
White  
Black

# INSULATION ACCESSORIES **THREADS, TAPES, DRAWSTRINGS, MESH**

## **THREADS, TAPES, DRAWSTRINGS, MESH**

To fabricate your pads for easy installation and removal, a full range of heat-resistant drawstrings, sewing thread and wire mesh is available.

### **SEWING THREADS**

*Coated fiberglass, aramid or metalized threads for secure pad fabrication*

| Product Code | Material          | Yield         | Size       |
|--------------|-------------------|---------------|------------|
| TGL12        | Coated fiberglass | 3000 yds./lb. | 2 lb. cone |
| TGL18        | Coated fiberglass | 2000 yds./lb. | 2 lb. cone |
| TGL24        | Coated fiberglass | 1500 yds./lb. | 2 lb. cone |
| KV50         | Aramid            | 4000 yds./lb. | 8 oz. cone |



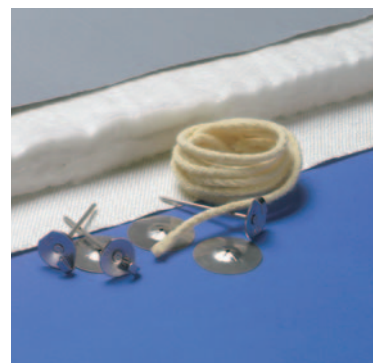
### **DRAWSTRINGS AND TAPE**

#### **AMI-GLAS® (GLR)**

*100% fiberglass yarn for industrial strength fastening and support*

| Product Code | Yield                  | Thickness |
|--------------|------------------------|-----------|
| GLR125HD     | 150 ft./lb.            | 1/8"      |
| GLR188HD     | 102 ft./lb.            | 3/16"     |
| *SGL17 TAPE  | 10 ft., 25 ft., 50 ft. | .016"     |
| SGL32        | 10 ft., 25 ft., 50 ft. | .035"     |

*\*Silicone-coated AMI-GLAS® tape (500°F/260°C temperature resistance reflects limitation of silicone coating)*



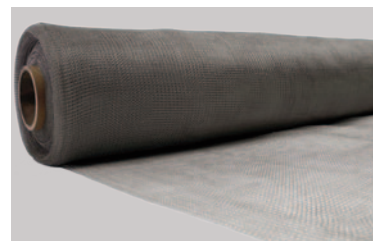
#### **AMI-FLEX® (FLR)**

*100% aramid fiber with fiberglass support – lightweight, flexible yet tough yarns offer strength and versatility*

| Product Code | Yield       | Thickness |
|--------------|-------------|-----------|
| FLR125       | 320 ft./lb. | 1/8"      |
| FLR188       | 256 ft./lb. | 3/16"     |

### **WIRE MESH**

| Product Code | Gauge | Widths             |
|--------------|-------|--------------------|
| WM08         | .008  | 18", 24", 30", 42" |
| WM11         | .011  | 18", 24", 30", 42" |



#### **NOTES:**

- Temperature Range: 600°F - 1200°F
- Standard Put-Up: 50lbs. per roll
- Content: 304 Stainless Steel Knitted Wire Mesh

# SAFETY FABRICS

Our AMI-GLAS and AMI-FLEX fabrics are designed to protect workers in high-heat environments (foundries, automotive facilities, etc.) The fabrics are used to make gloves, jackets, and other non-washable outerwear. AMI can aluminize or coat these fabrics to aid in cutting and sewing operations. These fabrics are not washable and not intended for home use.



## AMI-FLEX® (FL)

**100% aramid safety fabric provides comfortable and lightweight industrial protection**

| Product Code | Weight/yd. <sup>2</sup> | Thickness | Width    |
|--------------|-------------------------|-----------|----------|
| FL1200       | 12 oz.                  | .056"     | 40", 60" |
| FL1700       | 17 oz.                  | .065"     | 40", 60" |
| FL2200       | 22 oz.                  | .080"     | 40", 60" |
| FL2800       | 28 oz.                  | .095"     | 60"      |
| FLPB12200    | 22 oz.                  | .080"     | 40", 60" |
| AFL1200      | 14 oz.                  | .038"     | 40"      |
| AFL1700      | 19 oz.                  | .052"     | 40", 60" |

### NOTES:

- Available in Aluminized (AFL) – 300°F/150°C temperature resistance reflects limitation of adhesive for aluminization. For a complete listing of our specialty aluminized products please see our Aluminized Products At-A-Glance on our website.
- See page 23 for coating options.
- May be ordered with our own DRX coating.



## CARBO-FLEX® (FLP)

**Composite of aramid-fiberglass and partially carbonized non-woven acrylic offers enhanced thermal performance**

| Product Code | Weight/yd. <sup>2</sup> | Thickness | Width    |
|--------------|-------------------------|-----------|----------|
| FLP3000      | 30 oz.                  | .145"     | 40", 60" |
| FLPN1500     | 15 oz.                  | .100"     | 40"      |
| AFLPN1500    | 17 oz.                  | .070"     | 40", 60" |



## VEXTRA® (GLV) (FLVB)

**Combat high temperatures with superior vermiculite armor over fiberglass fabric (remains stable to 1500°F/815°C)**

| Product Code | Weight/yd. <sup>2</sup> | Thickness | Width    |
|--------------|-------------------------|-----------|----------|
| GLV2401      | 25 oz.                  | .055"     | 40", 60" |
| GLV3001      | 31 oz.                  | .065"     | 40", 60" |
| FLVB1700-TP  | 20 oz.                  | .065"     | 40", 60" |



Call us for heat protective or safety clothing fabricators.



# COATINGS & FINISHES

## **DRX Coating for AMI-FLEX® (FL) or AMI-GLAS® (GL) Cloth**

This is a proprietary treatment applied to the fabric to aid in cutting, sewing and fabricating applications. The finish is sacrificial at elevated temperatures and may burn off without affecting the base fabric's temperature resistance. We recommend that the coated side of the fabric be used on the inside of the fabricated article. Coating is color-coded on one side and offers the highest level of ravel resistance and is the most flexible.

## **Ravel Resistant (RR) Coating for AMI-FLEX® (FL) Cloth & AMI-GLAS® (GL) Cloth**

This finish is a proprietary treatment applied to the fabric to aid in cutting, sewing and fabricating applications. The finish is sacrificial at elevated temperatures and may burn off without affecting the base fabric's temperature resistance. This is a non-colored coating predominantly on one side, available on fiberglass cloth only. This coating provides a moderate amount of ravel resistance.

## **Vermiculite**

Vermiculite is a solution made of plate-like mineral crystals. Used as a non-combustible coating for fiberglass cloth, it acts like armor when heat strikes the fabric, causing the heat to travel across the fabric rather than through it, shielding the fiberglass from the heat source.

## **Silicone**

Silicone coating rated to 500°F (260°C). Abrasion and puncture resistance. Used for heat resistance and to protect fabric from water, oil and weather.

## **Silicone (SGLP)**

A new, high performance black additive to our silicone coating. Appropriate for welding and laser curtains.

## **Neoprene**

Neoprene is a polychloroprene compound used to ease fabrication and increase abrasion resistance.

## **Aluminized**

Aluminization process consists of an aluminized polyester film/foil, which is added for reflective capabilities only. The width of finished fabric may be as much as 1-2" narrower than stated width, due to this process.

## **AR — Abrasion Resistant Finish for AMI-SIL® (AS) Cloth**

Abrasion Resistant Finish is available on the inherently delicate AMI-SIL fabrics and is orange in color. The finished fabrics are used in applications such as insulative or welding safety pads.

## **RGL Application Suggestions**

The RGL product line has a preapplied, rewettable lagging adhesive. This adhesive is essentially inorganic and is designed to bond to many surfaces and itself. The adhesive is activated by water. Properly activated adhesive feels slick and somewhat sticky to the touch.

**Note: Materials should be tested for their suitability in any application. Users should also familiarize themselves with the SDS before handling.**

# WHY AUBURN MANUFACTURING IS THE SAFEST NAME IN EXTREME TEMPERATURE TEXTILES

1. We're a **vertical U.S. textile manufacturer**, with the broadest range of capabilities and over four decades of experience at solving industry's challenges with **safe, reliable heat-resistant textiles**.
2. AMI's **in-house test lab** is fully capable of evaluating textiles submitted by customers and supplying accurate test data in order to make the **safest choice to take the heat**.
3. Our Quality Management System is ISO 9001:2015 Certified, your assurance of our commitment to **continuous improvement** of our products.
4. We were first to provide **Third-Party Certification** for our Hot Work Safety Fabrics in compliance with NFPA 51B, and offer over 20 Approved fabrics for optimal safety on the job.

## Technical Support

Helpful AMI technicians are available during business hours, Monday-Friday, 8 a.m.-4 p.m. (EST) to answer your technical questions and help you choose the right product. Questions are also welcome via email on the AMI website at [www.auburnmfg.com](http://www.auburnmfg.com) where FAQs are also included.

## Sample Availability

Samples and data sheets are available on all AMI products for testing and evaluation. Visit our website to order samples online (see directions on next page), or to download data sheets, pdfs of brochures, case studies, safety data sheets and other literature.

## Rapid Delivery...Worldwide

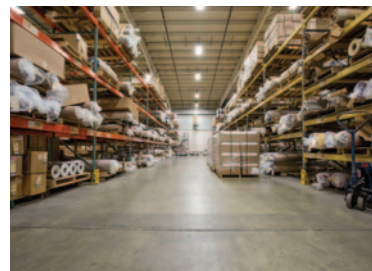
AMI products are readily available throughout North America, and are exported to over 30 countries throughout the world. From our U.S. warehouses, we are able to supply any size business with speed and reliability.

## Certifications

**ISO 9001:2015 Standard.** Certification means that we have established and apply a quality management system for the design, manufacture and finishing of high temperature textiles, and that we are fully committed to continuous improvement to meet or exceed our customers' expectations.

**WBE Certified.** AMI is certified as a Women's Business Enterprise (WBE) by the Women's Business Enterprise National Council (WBENC), the leading certifier of women-owned businesses that sell to corporations and government organizations. WBE certification is recognized and accepted by the majority of top corporations across the U.S.

**FM Approval** obtained for over 20 AMI hot work fabrics. FM Approvals has been recognized as the leader in third-party certification programs to help ensure the quality, safety and performance for fire prevention products globally. Certification requires that these fabrics have passed a stringent test and certification program, meeting the conditions of ANSI/FM 4950 Approval standard for safety, performance and quality.

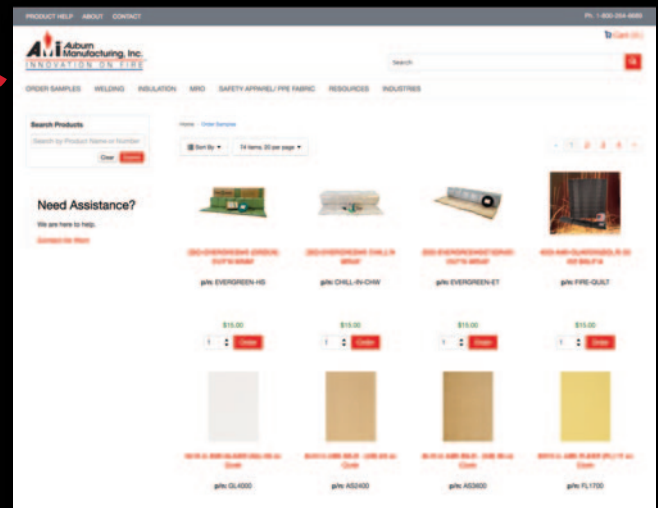
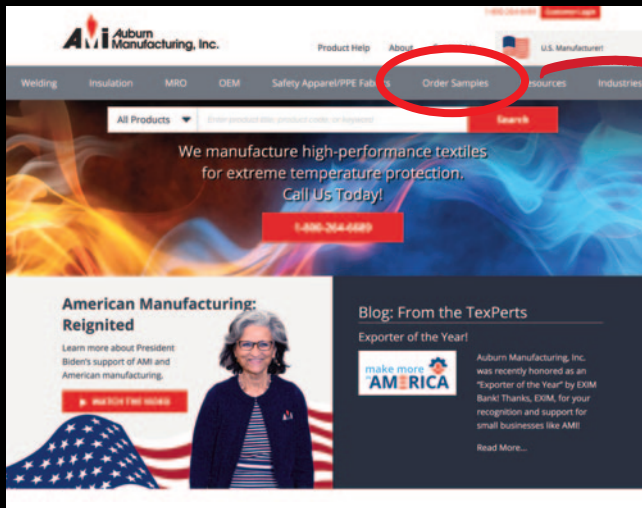


# DID YOU KNOW?

As an AMI customer, you can order Samples & Other Products via the AMI Website as a free service?

## TO ORDER SAMPLES:

[auburnmfg.com](http://auburnmfg.com)



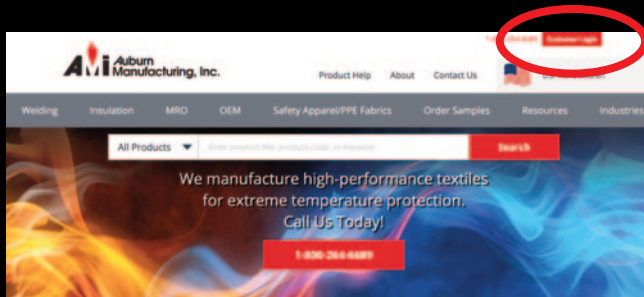
## TO ORDER PRODUCTS:

(Minimum \$100 order)

### FOR EXISTING AMI CUSTOMERS

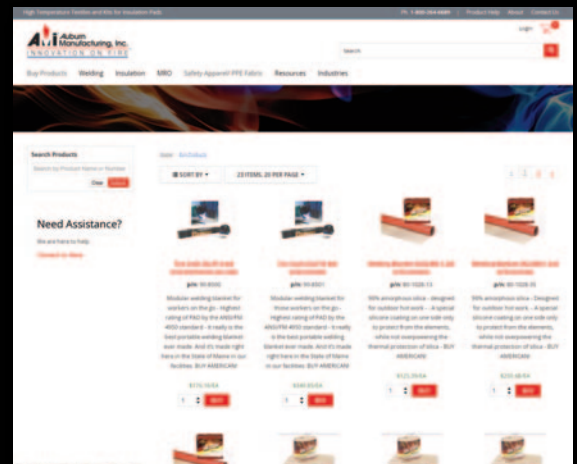
Email [sales@auburnmfg.com](mailto:sales@auburnmfg.com) and request an "Authorization Code." This code is needed before you start your ordering process.

Once you have your code, click on Customer Login and follow instructions.



### FOR POTENTIAL AMI CUSTOMERS

visit [shop.auburnmfg.com](http://shop.auburnmfg.com)



Anyone intending to use the products identified and described in this publication, as well as the information or specifications concerning these products, should, before using them, be satisfied that the products are suitable for the intended use and meet all appropriate and applicable safety and health standards. The products identified and described in this publication will perform to any expressly indicated specifications only when properly used, and the user, not Auburn Manufacturing, is responsible for their proper use.



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