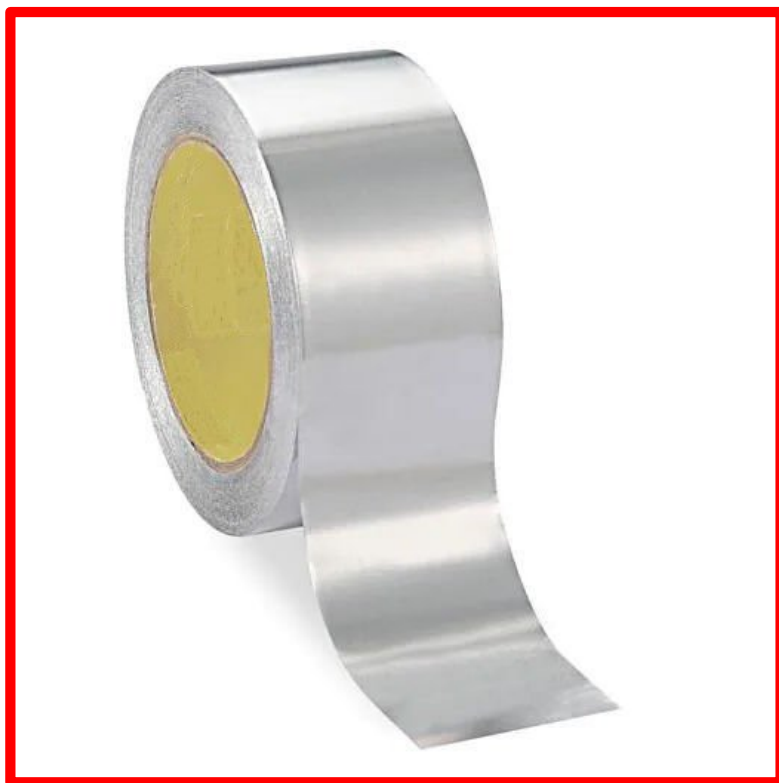


Heat Reflective Aluminum Foil Tape: with Silicone High Temperature Pressure Sensitive Adhesive (PSA) Meets A-A-59258 / MIL T-47014 and FAR 25.853(a)



1000°F / 537°C: Short time peak with up to 600°F / 315°C continuous use



- Total thickness 90 microns (0.0035" / 0.09mm)
- Aluminum thickness 50 microns (0.0019" / 0.05mm)
- Shelf life 12 months; may be re-tested and extended.
- Adhesion to steel: 40 oz/inch.
- Tensile strength: 20 oz/inch.
- Elongation at break: 7%
- Water vapour transmission rate: 1.55 g/m²/24 hours
- Used for High temperature masking in many processes
- Normally supplied self wound – version with liner available.
- Roll length 60 yards.

- Alloy 1100-00
- Protection from radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at up to 600°F / 315°C.
- This tape provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Silicone rubber high temperature PSA adhesive.

**Heat Reflective Aluminum Foil Tape (Continued):
with Silicone High Temperature Pressure Sensitive Adhesive (PSA)
Meets A-A-59258 / MIL T-47014 and FAR 25.853(a)
1000°F / 537°C: Short time peak with 600°F / 315°C continuous**



Aluminum foil coated with silicone rubber high temperature pressure sensitive adhesive.

Designed for long term continuous operation at 600°F / 315°C, this tape will withstand short duration exposure up to 1000°F / 537°C.

The table below shows the most popular sizes - other sizes available.

| Aluminum Foil Radiant Heat Reflective Tape with Silicone High Temperature PSA adhesive Meets A-A-59258 / MIL T-47014 and FAR 25.853(a) | |
|---|----------------------------|
| Part Number | Width inch / mm |
| T-AL-ST-SA-M019-12-X | 0.75 / 19 |
| T-AL-ST-SA-M025-16-X | 1.00 / 25 |
| T-AL-ST-SA-M032-20-X | 1.25 / 32 |
| T-AL-ST-SA-M038-24-X | 1.50 / 38 |
| T-AL-ST-SA-M044-28-X | 1.75 / 44 |
| T-AL-ST-SA-M051-32-X | 2.00 / 51 |
| T-AL-ST-SA-M064-40-X | 2.50 / 64 |
| T-AL-ST-SA-M076-48-X | 3.00 / 76 |
| T-AL-ST-SA-M089-56-X | 3.50 / 89 |
| T-AL-ST-SA-M102-64-X | 4.00 / 102 |
| This tape can be fabricated in any width – please enquire | |

For X in the part number; replace with S for self would or L for with liner.

Standard roll lengths are 60 yards

Heat Reflective Aluminum Foil Masking Tape: with Non-Conductive or Conductive Acrylic High Temperature Pressure Sensitive Adhesive (PSA) or with Silicone Adhesive Meets MIL-P-23397B1

1000°F / 537°C: Peak with 600°F / 315°C continuous



- Available with standard non-conductive acrylic adhesive or with conductive acrylic adhesive or with Silicone adhesive.
- Three aluminum thicknesses..
- Shelf life 12 months; may be re-tested and extended.
- Adhesion to steel: 47 oz/inch.
- Tensile strength: 30 lb /inch.
- Elongation at break: 7%
- Water vapour transmission rate: 1.55 g/m2/24 hours
- Used for High temperature masking in many processes
- Normally with liner available.
- Roll length 60 yards.

- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 600°F / 315°C.
- This tape provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Silicone rubber high temperature PSA adhesive.

**Heat Reflective Aluminum Foil Masking Tape (Continued):
with Non Conductive or Conductive Acrylic High Temperature Pressure Sensitive
Adhesive (PSA) or with Silicone Adhesive**

Meets MIL P-23397B1

1000°F / 537°C: Short time peak with 600°F / 315°C continuous



Aluminum foil coated with silicone rubber high temperature pressure sensitive adhesive.

Designed for long term continuous operation at 600°F / 315°C, this tape will withstand short duration exposure up to 1000°F / 537°C.

The table below shows the most popular sizes - other sizes available.

| Aluminum Foil Radiant Heat Reflective Tape with Silicone High Temperature PSA adhesive Meets A-A-59258 / MIL T-47014 and FAR 25.853(a) | |
|---|----------------------------|
| Part Number | Width inch / mm |
| T-AL-ST-AA-M019-12-X | 0.75 / 19 |
| T-AL-ST-AA-M025-16-X | 1.00 / 25 |
| T-AL-ST-AA-M032-20-X | 1.25 / 32 |
| T-AL-ST-AA-M038-24-X | 1.50 / 38 |
| T-AL-ST-AA-M044-28-X | 1.75 / 44 |
| T-AL-ST-AA-M051-32-X | 2.00 / 51 |
| T-AL-ST-AA-M064-40-X | 2.50 / 64 |
| T-AL-ST-AA-M076-48-X | 3.00 / 76 |
| T-AL-ST-AA-M089-56-X | 3.50 / 89 |
| T-AL-ST-AA-M102-64-X | 4.00 / 102 |
| This tape can be fabricated in any width – please enquire | |

For X in the part number; replace with S for standard adhesive or C for conductive adhesive.

Standard roll lengths are 60 yards

**Heat Reflective Aluminum Foil Coated Fiberglass Tape:
Plain or with Pressure Sensitive Adhesive (PSA)**

1000°F / 537°C: Peak with 650°F / 343°C continuous



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 650°F / 343°C.
- This tape is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Can be supplied with self-adhesive (includes a backing paper).

Heat Reflective Aluminum Foil Coated Fiberglass Tape (Continued): Plain or with Pressure Sensitive Adhesive (PSA)

1000°F / 537°C: Peak with 650°F / 343°C continuous



Constructed from a high-temperature base fabric which is then coated with highly-reflective polished aluminum. Designed for long term continuous operation at 650°F / 343°C, this tape will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The tape is fabricated by slitting from a roll fabric; the table below shows the most popular sizes - other sizes available. The same base fabric can be used for constructing a wide variety of protective sleeves and covers.

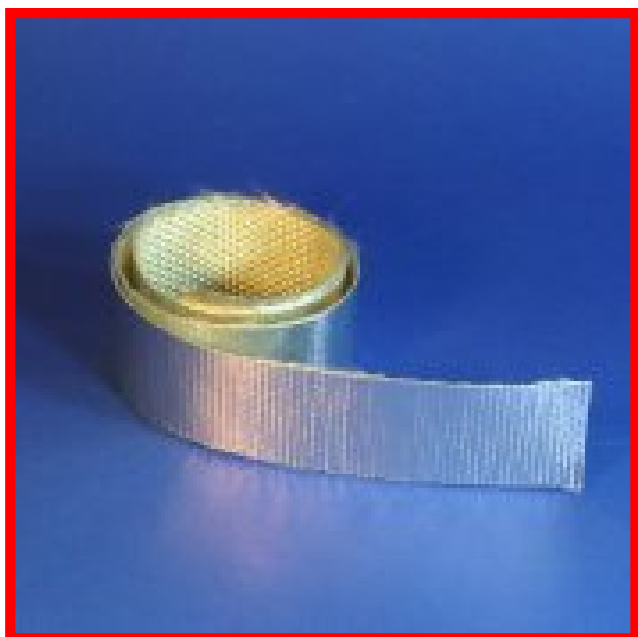
| Aluminized (Aluminum Foil Coated) Fiberglass Radiant Heat Reflective Tape Available plain and with PSA adhesive | |
|--|--------------------|
| Part Number | Width inch / mm |
| T-FG-AL-ST-M019-12-X | 0.75 / 19 |
| T-FG-AL-ST-M025-16-X | 1.00 / 25 |
| T-FG-AL-ST-M032-20-X | 1.25 / 32 |
| T-FG-AL-ST-M038-24-X | 1.50 / 38 |
| T-FG-AL-ST-M044-28-X | 1.75 / 44 |
| T-FG-AL-ST-M051-32-X | 2.00 / 51 |
| T-FG-AL-ST-M064-40-X | 2.50 / 64 |
| T-FG-AL-ST-M076-48-X | 3.00 / 76 |
| T-FG-AL-ST-M089-56-X | 3.50 / 89 |
| T-FG-AL-ST-M102-64-X | 4.00 / 102 |
| This tape can be fabricated in any width – please enquire | |

For the X value: specify "21" for construction from 21 oz/yd² fabric; specify "35" for construction from 35 oz/yd² fabric

Standard roll lengths are 50 and 100 feet - other custom lengths available

Stainless Steel Foil Coated Fiberglass Tape

1000°F / 537°C: High Temperature & Radiant Heat Reflective – Non Adhesive or with Pressure Sensitive Adhesive (PSA)



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 650°F / 343°C.
- This tape is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Can be supplied with self-adhesive (includes a backing paper).

Constructed from a high-temperature base fabric which is then coated with a layer of stainless steel foil. Designed for long term continuous operation at 650°F / 343°C, this tape will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The tape is slit from a roll fabric.

The same base fabric can be used for constructing a wide variety of protective sleeves and covers for wire & cable covers, Festoon covers, robotic welding machine covers, etc.

| Stainless Steel Coated Fiberglass Radiant Heat Reflective Tape | |
|--|--------------------------|
| Part Number | Width inch / mm |
| T-FG-SS-SLIT | Any Width to 36" maximum |

- For the "X" value, specify: "P" for plain tape with no PSA, "PSA" for tape with PSA (call for pricing)

Aluminized PET Film Coated Fiberglass Tape; with adhesive 1000°F / 537°C: FlameShield™ High Temperature & Radiant Heat Reflective



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This tape has a high temperature adhesive across its entire width, allowing the tape to be wrapped and formed into a sleeve around wires, cables or hoses. Can also be applied to other objects and shapes and used flat.
- Provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Thickness of .025".

This high temperature and radiant heat reflective tape is constructed from a high-temperature fine woven fiberglass fabric substrate, which is then coated with highly-reflective aluminized PET film. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. The non aluminized side of the fabric is coated with an acrylic adhesive and release paper.

Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

| FlameShield™ Aluminized PET Coated Fiberglass Radiant Heat Reflective Tape with Pressure Sensitive Adhesive | | |
|--|---------------------------|------------------------------------|
| Part Number | Width inch / mm / dash | Spool Length, feet Bulk / Small |
| T-FG-ALM-PSA-M025-16-X | 1.00 / 25 / -16 | 200 / 100 |
| T-FG-ALM-PSA-M038-24-X | 1.50 / 38 / -24 | 200 / 100 |
| T-FG-ALM-PSA-M051-32-X | 2.00 / 51 / -32 | 200 / 100 |
| T-FG-ALM-PSA-M076-48-X | 3.00 / 76 / -48 | 200 / 100 |
| T-FG-ALM-PSA-M102-64-X | 4.00 / 102 / -64 | 200 / 100 |
| T-FG-ALM-PSA-M127-80-X | 5.00 / 127 / -80 | 200 / 100 |
| T-FG-ALM-PSA-M152-96-X | 6.00 / 152 / -96 | 100 / 50 |
| T-FG-ALM-PSA-M178-112-X | 6.875 / 175 / -103 | 100 / 50 |

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

This Product is Available in Spool Length Only

Sleeve Forming Heat Reflective Tape

Aluminized PET Film Coated Fiberglass Tape; with adhesive

1000°F / 537°C: FlameShield™ High Temperature & Radiant Heat Reflective



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This tape has a high temperature adhesive on each edge flap, allowing it to be formed as a sleeve around wires, cables and hoses.
- If one of the edge flaps is removed, then the tape can be formed into a freely resting sleeve which is not adhered to whatever it is covering.
- Provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Thickness of .025".

This high temperature and radiant heat reflective tape is constructed from a high-temperature fine woven fiberglass fabric substrate, which is then coated with highly-reflective aluminized PET film. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. This tape has an adhesive strip on each side that includes a release film. Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

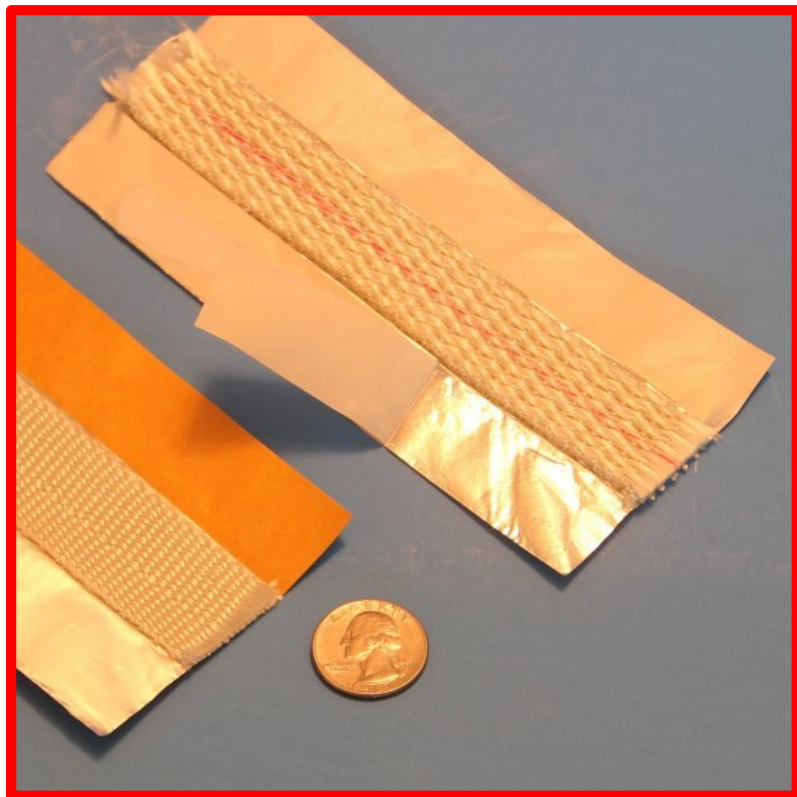
| FlameShield™ Heat Reflecting Sleeve Forming Tape Aluminized PET Coated Fiberglass with PSA Adhesive | | | |
|--|--------------------------------|------------|------------------------------------|
| Part Number | Nominal ID inch / mm / dash | Flat Width | Spool Length, feet Bulk / Small |
| T-SFT-FG-ALM-PSA-M013-0.50-X | 0.50 / 13 / -08 | 1 13/16" | 250 / 100 |
| T-SFT-FG-ALM-PSA-M019-0.75-X | 0.75 / 19 / -12 | 2 1/2" | 250 / 100 |
| T-SFT-FG-ALM-PSA-M025-1.00-X | 1.00 / 25 / -16 | 3 3/8" | 200 / 100 |
| T-SFT-FG-ALM-PSA-M032-1.25-X | 1.25 / 32 / -20 | 4 1/4" | 200 / 100 |
| T-SFT-FG-ALM-PSA-M038-1.50-X | 1.50 / 38 / -24 | 5" | 200 / 100 |
| T-SFT-FG-ALM-PSA-M038-1.50-X | 1.75 / 44 / -28 | 5 13/16" | 100 / 50 |
| T-SFT-FG-ALM-PSA-M051-2.00-X | 2.00 / 51 / -32 | 6 11/16" | 100 / 50 |
| T-SFT-FG-ALM-PSA-M057-2.25-X | 2.25 / 57 / -36 | 7 3/8" | 100 / 50 |

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

This Product is Available in Spool Length Only

Weld Backing Tape

1000°F / 537°C: FlameShield™ Easily provides gas tight weld backing
purge area and bead consistency



- Typically for welding thin wall stainless steel from one side. Attaches to the backside of the weld area and supports the weld pool, keeps the argon gas surrounding the weld pool.
- Eliminates the need to back-purge.
- Provides a consistent high quality under bead profile.
- The most popular tape is 3" wide with a 1" wide woven DeltaGlass tape strip in the middle.
- Supports single pass welding at currents up to 600 amps without change to the chemistry or metallurgy of the weld.
- Available in Light Duty (80 amp), Medium Duty (160 amp) and Heavy Duty (240 amp) ratings
- All tapes are 3.0" wide and 40 feet long.

| FlameShield™ Weld Backing Tape | |
|--------------------------------|---------------------|
| Part Number | Recommended Amp Max |
| T-FG-AL-WELD-80 | 80 |
| T-FG-AL-WELD-160 | 160 |
| T-FG-AL-WELD-240 | 240 |
| T-FG-AL-WELD-600 | 600 |