



Heat resistant materials are widely used as blankets for draping over equipment or floor surfaces in welding areas, or as a vertical shield to protect from the spray of sparks, spatter, and slag.



## Product selection Criteria:

### What is the general welding application?

- Light Duty - general purpose welding, light sparks, minimal spatter
- Medium Duty - heavier welding, sparks, spatter, light slag
- Heavy Duty - heavy sparks, spatter, slag
- Extreme Heavy Duty - very heavy spatter, slag, possibility of molten metal

### Stress relief application?

- Stress relief - use only uncoated material.

### Coated material or uncoated?

- Coated Material - better abrasion and burn through resistance. Stiffer to allow spatter and slag to roll off easily.
- Uncoated Material – more pliable, making it easier to drape over and wrap around objects.


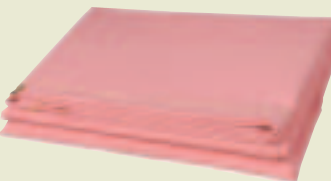
### Weight and thickness of the material?

- The performance of the material depends on many variables. However, as a general rule, heavier/thicker material will provide better protection and take longer to burn through.

### Is the application horizontal (flat) or vertical?

- For Vertical application, the thinner materials may be used. For Horizontal (Flat) application, heavier material and/or with higher melting temperature should be used. For specific recommendation, see the tables below.

## **LIGHT DUTY - General welding applications with light sparks and minimal spatter**

Material	Description	Data Specs	Use	Roll Goods		Blanket	
				Width x 50 yds	Part #	Sizes	Part #
<b>372</b> 	<b>ToughGuard™</b>  Tan Heat Cleaned Fiberglass	<b>Temp Rating</b> 1000°F  <b>Wt/Sq. Yd</b> 18 oz.  <b>Thickness</b> .035"	Sparks and light spatter on vertical plane  Stress relief	40"W	67240	6' x 6'	37266
				60"W	67260	6' x 8'	37286
				72"W	67272	8' x 8'	37288
						10' x 10'	37201
						Custom	37200
<b>385*</b> 	<b>Neoglass™</b>  Salmon Acrylic Coated Fiberglass	<b>Temp Rating</b> 1000°F  <b>Wt.Sq.Yd</b> 16 oz.  <b>Thickness</b> .016"	Sparks on vertical plane  Good abrasion resistance	38"W	68538	6' x 6'	38566
				60"W	68560	6' x 8'	38586
						Custom	38500

\* Not recommended for Stress Relief

## MEDIUM DUTY - Heavier welding, sparks, spatter and light slag

Material #	Description	Data Specs	Use	Roll Goods		Blanket	
				Width x 50 yds	Part #	Sizes	Part #
382 	<b>ToughGuard HD™</b>  Tan Heat Cleaned Fiberglass	<u>Temp Rating</u> 1000°F  <u>Wt/Sq. Yd</u> 24 oz.  <u>Thickness</u> .050"	Sparks and spatter on vertical plane  Stress relief	40"W 60"W 72"W	68240 68260 68272	6' x 6' 6' x 8' 8' x 8' 10' x 10' Custom	38266 38286 38288 38201 38200
367	<b>Glassweb™</b>  White Uncoated Fiberglass	<u>Temp Rating</u> 1000°F  <u>Wt/Sq. Yd</u> 35 oz.  <u>Thickness</u> .080"	Sparks, spatter and stress relief	40"W 60"W 72"W	66740 66760 66772	6' x 6' 6' x 8' 8' x 8' 10' x 10' Custom	36766 36786 36788 36701 36700
364* 	<b>GoldenGlass Light™</b>  Gold Acrylic Coated Fiberglass	<u>Temp Rating</u> 1000°F  <u>Wt/Sq. Yd</u> 24 oz.  <u>Thickness</u> .035"	Sparks, spatter and abrasion resistant	40"W 60"W 72"W	66440 66460 66472	3' x 4' 6' x 6' 6' x 8' 8' x 8' 8' x 10' 10' x 10' Custom	36434 36466 36486 36488 36408 36401 36400
374*	<b>GoldenGlass™</b>  Gold Acrylic Coated Fiberglass	<u>Temp Rating</u> 1000°F  <u>Wt/Sq. Yd</u> 28 oz.  <u>Thickness</u> .051"	Sparks, spatter and abrasion resistant	40"W 60"W 72"W	67440 67460 67472	6' x 6' 6' x 6' 6' x 8' 8' x 8' 8' x 10' 10' x 10' Custom	37434 37466 37486 37488 37408 37401 37400
376*	<b>Blackflex™</b>  Black Heavy Acrylic Coated Fiberglass	<u>Temp Rating</u> 1000°F  <u>Wt/Sq. Yd</u> 28 oz.  <u>Thickness</u> .051"	Sparks, spatter and slag  Abrasion resistant	40"W 60"W 72"W	67640 67660 67672	3' x 4' 6' x 6' 6' x 8' 8' x 8' 8' x 10' 10' x 10' Custom	37634 37666 37686 37688 37608 37601 37600
379*	<b>SILICONE</b>  Red Silicone Coated Fiberglass	<u>Temp Rating</u> 1000°F  <u>Wt/Sq. Yd</u> 32 oz.  <u>Thickness</u> .035"	Sparks & spatter  Abrasion, oil resistant	60"W	67960	6' x 6' 6' x 8' Custom	37966 37986 37900
321*	<b>LEATHER</b>  Side Split Cowhide	<u>Wt/Sq. Yd</u> 3.5 oz.	Sparks, spatter, abrasion resistant  Excellent flexibility  Ideal for autobody	N/A	N/A	3' x 4' 6' x 6' Custom	32134 32166 32100

\* Not recommended for Stress Relief





## VELVET SHIELD®

**THE SOFTEST AND TOUGHEST WELDING PROTECTION EVER**




Velvet Shield® welding blankets are made from a carbon fiber fabric that was developed from NASA technologies

- Lightweight, soft and flexible Welding Blanket, providing incredible ease of use, while withstanding high heat
- Provides protection from direct contact with weld spatter
- Easy to clean; just shake, vacuum or blow metal particles out
- Tough, tear-resistant material
- Excellent for autobody use
- Available in several stock Blanket sizes, (see chart below), 18"x18" Pad, and 50-yard bulk rolls.



31618

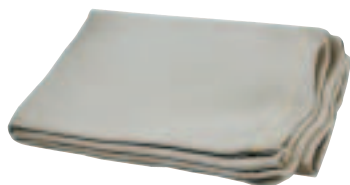
## HEAVY DUTY - Heavy sparks, spatter and slag

Material #	Description	Data Specs	Use	Roll Goods		Blanket	
				Width x 50 yds	Part #	Sizes	Part #
316*	 <b>VELVET SHIELD®</b> Black Carbon Fiber	<u>Temp Rating</u> 1800°F  <u>Wt/Sq. Yd</u> 16 oz.  <u>Thickness</u> .15" TO .20"	Sparks, spatter and slag  Soft, lightweight with excellent flexibility	48"W 60"W 72"W	61648 61660 61672	18"x18" 3' x 4' 4' x 6' 5' x 6' 6' x 6' 6' x 8' 8' x 8' 8' x 10' Custom	31618 31634 31646 31665 31666 31686 31688 31608 31600
371	 <b>SILICA</b> Tan Silica Dioxide Cloth	<u>Temp Rating</u> 1800°F Melt 3000°F <u>Wt/Sq. Yd</u> 18 oz.  <u>Thickness</u> .030"	Sparks, spatter, and molten metal  Stress relief	36"W	67136	3' x 4' 4' x 6' 6' x 6' 6' x 8' 9' x 10' Custom	37134 37146 37166 37186 37109 37100
387*	 <b>Z-FLEX PLUS™</b> Tan Vermiculite coated Fiberglass	<u>Temp Rating</u> 2000°F  <u>Wt/Sq. Yd</u> 35 oz.  <u>Thickness</u> .080"	Sparks, spatter and molten splash	40"W 60"W 72"W	68740 68760 68772	6' x 6' 6' x 8' 8' x 8' Custom	38766 38786 38788 38700

\* Not recommended for Stress Relief

## EXTREME HEAVY DUTY - Very heavy spatter, slag, molten metal & stress relief

Material #	Description	Data Specs	Use	Roll Goods		Blanket	
				Width x 50 yds	Part #	Sizes	Part #
<b>370</b>	<b>SILICA</b>	<u>Temp Rating</u> 1800°F Melt 3000°  <u>Wt/Sq. Yd</u> 36 oz.  <u>Thickness</u> .054"	Sparks, spatter, molten metal and stress relief	36"W	67036	6' x 6' 6' x 8' 9' x 10' Custom	37066 37086 37009 37001



Tan  
Silica Dioxide  
Cloth



Blankets are packaged for display

Steiner Industries has the largest inventory of protective Heat Resistant materials in the country and can provide quick shipment on:

- Bulk rolls
- Protect-O-Screens
- Welding Blankets
- Curtains

## STOCK BLANKETS

- Stock sizes of all Light, Medium, Heavy and Extreme Heavy Duty Blankets, and item numbers are listed in last column of Material charts above, and on preceding pages of Blanket & Roll Goods
- Blankets are set with # 2 brass grommets (3/8") on four sides, at approximate 24" centers
- Actual Blanket size may vary up to 3" to 4" in height and width to allow for hems and joining
- Grommets are not provided on Silica cloth or **Velvet Shield®** unless requested
- Sewn-edge hems are not provided on Leather or **Velvet Shield®** Blankets

## CUSTOM BLANKETS & CURTAINS

- 3" to 12" should be allowed for ventilation at the bottom of curtains in welding installations
- Specify finished size if required (Blankets and Curtains finish approximately 3" to 4" shorter in each direction)
- Add 10% to the width of hanging curtains to allow for proper drape
- Custom grommet placement is available
- Grommet placement on Silica Cloth or Velvet Shield® should be specified, if grommets are required
- All high heat materials may be used as a Curtain (to hang vertically by grommets) or as a Blanket (draped over equipment). Silica cloth requires leather grommet reinforcement if hung as a Curtain
- Custom curtains generally ship within 3 business days or less
- See "**CURTAIN ACCESSORIES**" on page 39 for Velcro®, Jack Chain, and S-Hooks

**WARNING:** The information for blankets and temperature ratings are intended to be used as guidelines only and not as a guaranty of performance. The user must determine product suitability for the specific application, and assume all risks in connection therewith, as each application varies. Molten metal temperatures exceed 1500°F. Oxy-fuel or Plasma cutting processes flame, pilot arc and cutting stream generate temperatures above 3000°F. Acrylic and silicone coated blankets are not for use within proximity or direct contact with temperatures of 200°F. Velvet shield is not for use within proximity, direct contact, or for extended period with temperatures of 200°F. Use caution to prevent blankets from accidental contact with flammable liquids that would ignite if exposed to sparks. Temperature rating for acrylic and silicone coatings is for the base material. All Steiner blankets and roll good materials should be used only as protective material for welding applications.