



Industrial Fire & Welding Protection Solutions

Certified to NFPA 701:2023 | FM4950 | SGS

PRODUCT CATALOG



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A Brand of Atkon

ABOUT ALFAFLAME

ALFAFLAME is an industrial safety brand under Atkon Innovation UK Ltd, dedicated to delivering high-temperature protection solutions for welding, fabrication, oil & gas, shipbuilding, construction, and heavy engineering sectors.

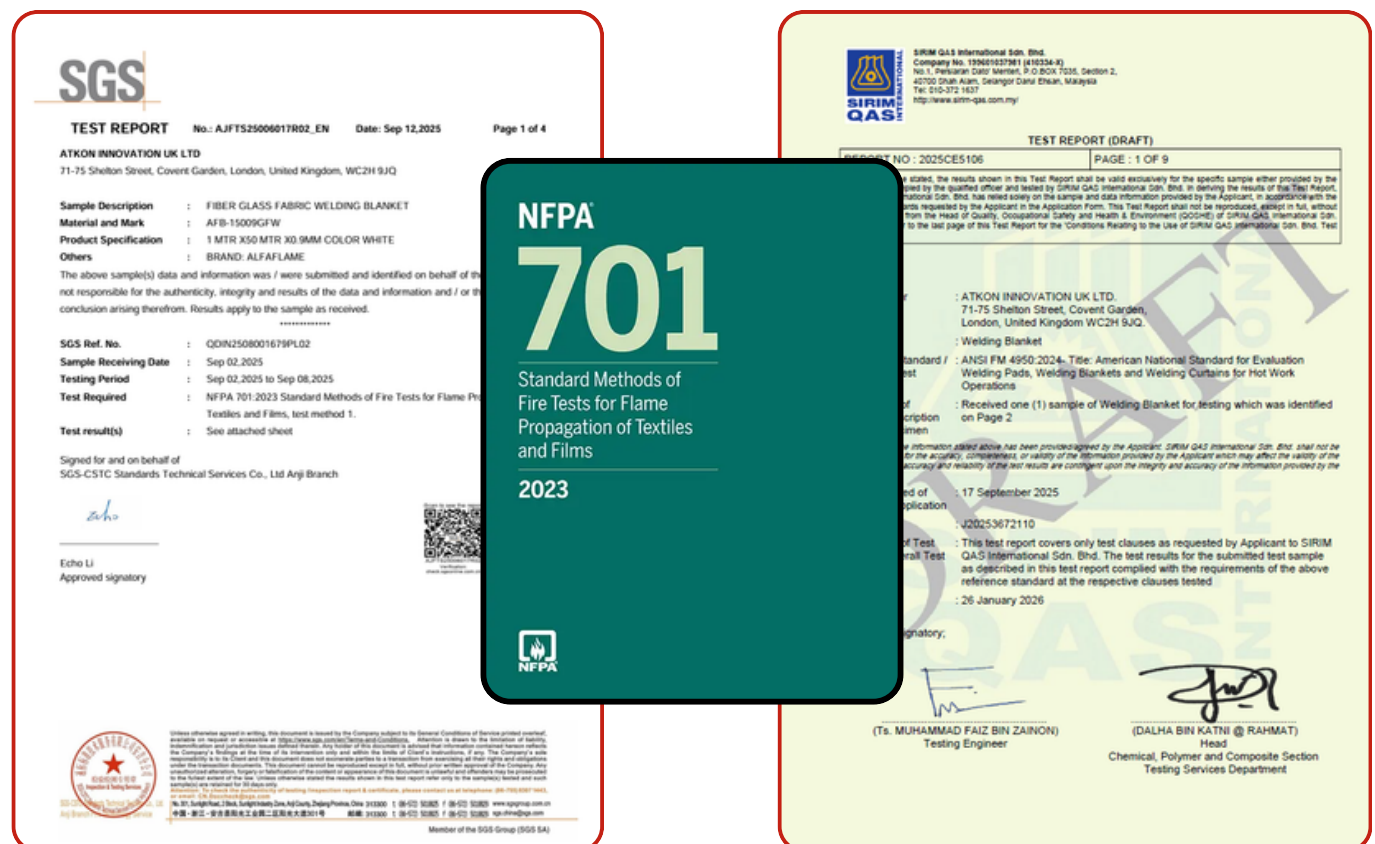
Built with Atkon's commitment to quality and innovation, ALFAFLAME products are engineered using premium fiberglass, silica, vermiculite, PVC and aluminum-coated technical fabrics, ensuring maximum fire resistance, durability, and compliance with international safety standards.

From welding blankets to high-temperature insulation materials, ALFAFLAME provides certified, reliable, and long-lasting protection solutions trusted by industries worldwide.

CERTIFICATIONS

All ALFAFLAME products comply with global safety standards:

- NFPA 701:2023 Tested
- FM4950 Test Certified
- SGS Quality Verified



Welding Blanket

Series & Product Specification

Heavy-Duty | Heat-Resistant | Industrial Protection

Designed for high-intensity welding, grinding, cutting, and fabrication, ALFAFLAME welding blankets provide superior resistance to sparks, slag, and molten metal.

Available Variants

- Fiberglass Welding Blanket
- Silica Welding Blanket
- Vermiculite-Coated Welding Blanket
- Aluminum-Coated Welding Blanket
- PVC Coated Welding Blanket

Features

- High-temperature resistance
- Tear-resistant industrial fabric
- Multiple thickness options
- Ideal for welding curtains, partitions & floor protection
- SGS certified

Technical Specifications Table

S.N.	Model	Material	Coating	Thickness	Weave
1	AFB-15009GFW	Fiberglass	—	0.9 mm	Twill
2	AFB-15005GFW	Fiberglass	—	0.5 mm	Twill
3	AFB-15014SFWB	Silica	—	1.4 mm	Satin
4	AFB-0950065VCB	Silica	Vermiculite	0.65 mm	Satin
5	AFB-15045ACW	Fiberglass	Aluminum	0.45 mm	Twill
6	AFB-PVC260	Fiberglass	PVC	0.26 mm	—
7	AFB-PVC280	Fiberglass	PVC	0.20 mm	—

Fiberglass Fabric Welding Blanket

AFB-15009GFW



The Fiberglass Fabric Welding Blanket AFB-15009GFW is a high-performance, heat-resistant fabric designed to provide superior protection during welding, grinding, and other high-temperature industrial operations. Made with Satin weave fiberglass yarns, it ensures durability, flexibility, and resistance to wear and mechanical damage. The blanket is suitable for environments requiring thermal insulation and flame resistance up to 550°C.

This product has been independently tested and certified by SGS in accordance with NFPA 701:2023 – Test Method 1, confirming its compliance with international flame propagation standards for textiles and films. It is also FM4950 Test Certified, ensuring it meets rigorous global standards for fire safety and performance in industrial environments.

Features

- Premium E-glass fiberglass yarns with twill weave
- High temperature resistance up to 550°C
- Strong, durable for repeated use
- Flexible, lightweight, easy to cut
- Resistant to flame, heat, oil, chemicals
- Ideal for industrial, automotive, constr

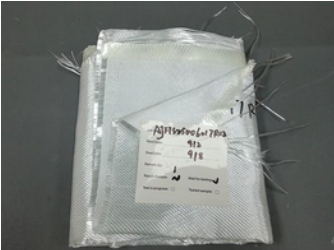
Application

- Protects against heat and flames in workshops and factories
- Insulates pipes, ducts, and machinery
- Acts as fire barrier and spark shield in maintenance areas
- Wraps sensitive equipment during hot work
- Commonly used in oil & gas, marine, power plants, and fabrication workshops

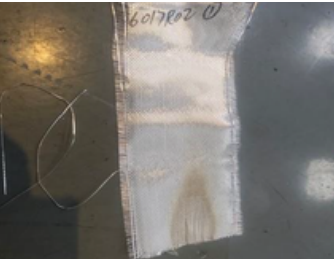
Technical Data

FIBRE GLASS FABRIC WELDING BLANKET			
0.9MM X1MX50M			
1	Part No.		AFB-15009GFW
2	Weave		SATIN
3	Yarn (tex)	Warp	33tex x 8
		Weft	33tex x 10
4	Width		1000MM
5	Thread Count	Warp	18/cm
		Weft	12/cm
6	Thickness		0.9mm (±0.03mm)
7	Tensile Strength N/25X100MM	Warp	≥5255
		Weft	≥4142
8	Base Fabric Weight		810g/m2±10
9	Service Temperature		550°C
10	Colour		White color

NFPA 701:2023 Test Result



Before test



After test

Fiberglass Fabric Welding Blanket

AFB-15005GFW



The Fiberglass Fabric Welding Blanket AFB-15005GFW is a high-performance, heat-resistant fabric designed to provide superior protection during welding, grinding, and other high-temperature industrial operations. Made with twill weave fiberglass yarns, it ensures durability, flexibility, and resistance to wear and mechanical damage. The blanket is suitable for environments requiring thermal insulation and flame resistance up to 550°C.

This product has been independently tested and certified by SGS in accordance with NFPA 701:2023 – Test Method 1, confirming its compliance with international flame propagation standards for textiles and films. It is also FM4950 Test Certified, ensuring it meets rigorous global standards for fire safety and performance in industrial environments.

Features

- Premium E-glass fiberglass yarns with twill weave
- High temperature resistance up to 550°C
- Strong, durable for repeated use
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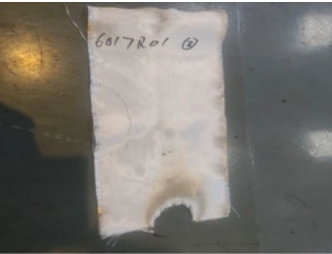
Technical Data

FIBERGLASS FABRIC WELDING BLANKET			
0.5MMX1MX50M			
1	Part No.		AFB-15005GFW
2	Weave		Twill
3	(tex Yarn)	Warp	EC11-33tex/4
		Weft	EC11-33tex/6
4	Width		1mtr.
5	Thread Count	Warp	18/cm
		Weft	13/cm
6	Cloth Thickness		0.45mm (±0.03mm)
7	Cloth Weight		430g/m2+-
8	Tensile Strength	Warp	6000N/5CM
		Weft	4500N/5CM
9	Total Wright		430g/m2 (±10g)
10	Service Temperature		550°C

NFPA 701:2023 Test Result



Before test



After test

Silica Fabric Welding Blanket

AFB-15014SFWB



AFB-15014SFWB is a high-density silica fabric constructed with a 12H satin weave, designed for dimensional consistency and thermal durability. The material exhibits stable mechanical properties and retains integrity under elevated temperatures. It is supplied in roll form with standardized thickness and length specifications

This product has been independently tested and certified by SGS in accordance with NFPA 701:2023 – Test Method 1, confirming its compliance with international flame propagation standards for textiles and films. It is also FM4950 Test Certified, ensuring it meets rigorous global standards for fire safety and performance in industrial environments.

Features

- Heat resistant up to 1300°C
- 96% silica fabric, non-combustible
- Lightweight, flexible, reusable
- Thermal, chemical & corrosion resistant
- Ideal for welding & fire protection

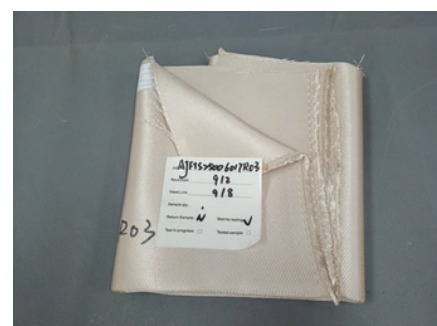
Application

- Protects against heat and flames in workshops and factories
- Insulates pipes, ducts, and machinery
- Acts as fire barrier and spark shield in maintenance areas
- Wraps sensitive equipment during hot work
- Commonly used in oil & gas, marine, power plants, and fabrication workshops

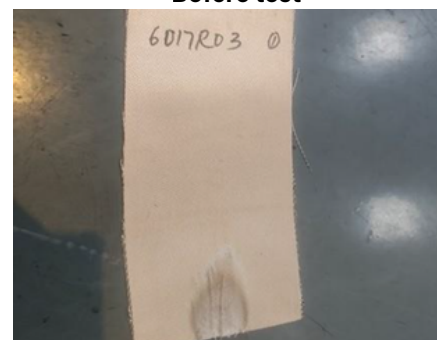
Technical Data

SILICA FABRIC WELDING BLANKET			
Size: 1MTR X 50MTR X 1.4MM			
1	Part No.	AFB-15014SFWF	
2	Weave type	12H Satin Weave	
3	Thickness mm	1.40±0.08	
4	Width	92 cm, 100cm	
5	Length	50 meter	
6	Breaking Strength N/25X100MM	Warp	≥900
		Weft	≥550
7	Density Count/5cm	Warp	90±5
		Weft	63±5
8	Unit Weight g/m²	1200 +70/-45	
8	Silica Content	≥96%	
10	LOI	<8.0	
11	Service Temperature	1100°C/2000°F	
12	Linear thermal shrinkage	≤12.5	

NFPA 701:2023 Test Result



Before test



After test

Silica Cloth With Vermiculated Coated Welding Blanket

AFB-0950065VCB



AFB-0950065VCB is a durable welding blanket made from SILICA84V fabric, coated with vermiculite on both sides for superior heat resistance. Its satin weave ensures strength and flexibility, making it ideal for fire protection, insulation, and high-temperature industrial use. Supplied in roll form with consistent thickness and weight

This product has been independently tested and certified by SGS in accordance with NFPA 701:2023 – Test Method 1, confirming its compliance with international flame propagation standards for textiles and films. It is also FM4950 Test Certified, ensuring it meets rigorous global standards for fire safety and performance in industrial environments.

Features

- Heat resistant up to 1000°C Made from ≥96% silica fabric, coated with vermiculite on both sides
- Single-layer, flexible, and reusable
- High tensile strength: Warp ≥520 N / Weft ≥400 N
- Certified to NFPA 701:2023, passed flame propagation test with 1.20% avg. mass loss

Application

- Protects against heat and flames in workshops and factories
- Insulates pipes, ducts, and machinery
- Acts as fire barrier and spark shield in maintenance areas
- Wraps sensitive equipment during hot work
- Commonly used in oil & gas, marine, power plants, and fabrication workshops

Technical Data

SILICA FABRIC COATED VERMICULITE			
0.9MX50MX0.65MM			
1	Part No.		AFB-0950065VCB
2	Weave type		8H Satin type
3	Thickness mm		0.70±0.08
4	Width		92 cm
5	Length		50 meter
6	Breaking Strength N/25X100MM	Warp	≥520
		Weft	≥400
7	Density Count/5cm	Warp	90±5
		Weft	63±5
8	Unit Weight g/m2		600g/m2
9	Silica Content		≥96%
10	LOI		<8.0
11	Coat Style		Vermiculite both sides
12	Coat Weight		50g/m2
13	Total weight		650g/m2+20g
14	Service Temperature		1000°C
15	Color		Brown

NFPA 701:2023 Test Result



Before test



After test

Aluminium Coated Glass Fibre Welding Blanket

AFB-15045ACW



AFB-15045ACW is a premium-grade aluminum-coated fiberglass welding blanket engineered for industrial heat protection. Constructed with E-glass twill weave fabric and laminated on one side with reflective aluminum foil, it offers excellent thermal stability and mechanical integrity.

This product has been independently tested and certified by SGS in accordance with NFPA 701:2023 – Test Method 1, confirming its compliance with international flame propagation standards for textiles and films. It is also FM4950 Test Certified, ensuring it meets rigorous global standards for fire safety and performance in industrial environments.

Features

- Heat resistant up to 550°C
- Made from E-glass fiberglass with aluminum foil coating
- Single-layer, lightweight and flexible
- NFPA 701:2023, passed flame propagation test
- Ideal for welding, fire protection, and high-temperature zones

Application

- Protects against heat and flames in workshops and factories
- Insulates pipes, ducts, and machinery
- Acts as fire barrier and spark shield in maintenance areas
- Wraps sensitive equipment during hot work
- Commonly used in oil & gas, marine, power plants, and fabrication workshops

Technical Data

Aluminum Coated Glass Fiber Welding Blanket			
1MX50MX0.45MM			
1	Part No.		AFB-15045ACW
2	Weave type		Twill
3	Base Fabric		E glass fiberglass cloth
4	Yarn (Tex)	Warp	EC9 68X2
		Weft	EC9 68X2
5	Width		1mtr
6	Thread Count	Warp	16/cm
		Weft	15/cm
7	Thickness		0.45mm(±0.03mm)
8	Basic Fabric Weight		450g/m2
9	Coated		1 side laminated with aluminum foil
10	Service Temperature		550°C

NFPA 701:2023 Test Result



Before test



After test

Fibre Glass Fabric PVC Coating Welding Blanket

AFB-PVC260



AFB-PVC260 is a flame-retardant fiberglass welding blanket with double-sided PVC coating. It's strong, flexible, and heat-resistant—ideal for welding, insulation, and spark protection. Supplied in rolls with consistent thickness and weight for reliable industrial use.

This product has been independently tested and certified by SGS in accordance with NFPA 701:2023 – Test Method 1, confirming its compliance with international flame propagation standards for textiles and films. It is also FM4950 Test Certified, ensuring it meets rigorous global standards for fire safety and performance in industrial environments.

Features

- Heat resistant up to 550°C
- Made from fiberglass cloth, coated with PVC on both sides
- High tensile strength: Warp 2000 N/5CM, Weft 1200 N/5CM
- Certified to NFPA 701:2023, passed flame propagation test with 3.87% avg. mass loss
- Ideal for welding, spark shielding, and industrial fire protection

Application

- Protects against heat and flames in workshops and factories
- Insulates pipes, ducts, and machinery
- Acts as fire barrier and spark shield in maintenance areas
- Wraps sensitive equipment during hot work
- Commonly used in oil & gas, marine, power plants, and fabrication workshops

Technical Data

FIBRE GLASS FABRIC PVC COATING WELDING BLANKET			
1MTRX50MTRX0.26MM			
1	Part No.		AFB-PVC260
2	Base Fabric		Fiberglass cloth
3	Base Fabric Weight		260g/m2±5
4	Weave		Plain
5	Yarn	Warp	EC9 33 1X3
		Weft	EC9 33 1X3
6	Width		100CM
7	Density Yarn		16X10/CM
8	Tensile Strength	Warp	2000 N/5CM
		Weft	1200 N/5CM
9	Coating		PVC both sides
10	Color		Orange
11	Coating Weight		50g/m2 +-10
12	Finished Wright		310g/m2 ±5
13	Service Temperature		550°C

NFPA 701:2023 Test Result



Before test



After test

Fibre Glass Fabric PVC Coating Welding Blanket

AFB-PVC280



AFB-PVC280 is a flame-retardant fiberglass welding blanket with double-sided PVC coating. It's strong, flexible, and heat-resistant—ideal for welding, insulation, and spark protection. Supplied in rolls with consistent thickness and weight for reliable industrial use.

This product has been independently tested and certified by SGS in accordance with NFPA 701:2023 – Test Method 1, confirming its compliance with international flame propagation standards for textiles and films. It is also FM4950 Test Certified, ensuring it meets rigorous global standards for fire safety and performance in industrial environments.

Features

- Heat resistant up to 550°C
- Made from fiberglass cloth, coated with PVC on both sides
- High tensile strength: Warp 1600 N/5CM, Weft 1200 N/5CM
- Certified to NFPA 701:2023, passed flame propagation test with 3.87% avg. mass loss
- Ideal for welding, spark shielding, and industrial fire protection

Application

- Protects against heat and flames in workshops and factories
- Insulates pipes, ducts, and machinery
- Acts as fire barrier and spark shield in maintenance areas
- Wraps sensitive equipment during hot work
- Commonly used in oil & gas, marine, power plants, and fabrication workshops

Technical Data

FIBRE GLASS FABRIC PVC COATING WELDING BLANKET			
1MTRX50MTRX0.2MM			
1	Part No.		AFB-PVC280
2	Base Fabric		Fiberglass cloth
3	Base Fabric Weight		210g/m2±5
4	Weave		Plain
5	Yarn	Warp	EC9 33 1X3
		Weft	EC9 33 1X3
6	Width		100CM
7	Density Yarn		16X10/CM
8	Tensile Strength	Warp	1600 N/5CM
		Weft	1200 N/5CM
9	Coating		PVC both sides
10	Color		Orange
11	Coating Weight		100g/m2
12	Finished Weight		310g/m2 ±5
13	Service Temperature		550°C

NFPA 701:2023 Test Result



Before test



After test



GLOBAL INDUSTRIAL SAFETY | ENGINEERED BY ATKON | TRUSTED AS ALFAFLAME

ALFAFLAME, a specialized industrial safety brand powered by Atkon Innovation UK Ltd, delivers high-temperature protection solutions trusted across welding, fabrication, oil & gas, shipbuilding, construction, and heavy engineering industries.

Our commitment is simple:

STRONGER MATERIALS | SAFER WORKSITES | SMARTER PROTECTION.

Every ALFAFLAME product is designed, tested, and engineered to meet international safety standards — ensuring durability, reliability, and long-lasting performance in the toughest industrial environments.

THANK YOU FOR CHOOSING ALFAFLAME

Your safety is our highest priority.



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