



Welding Protection Solutions





Darco Industries offers a wide range of high quality thermal insulation fabrics and accessories for a multitude of industrial equipment & applications. Our team helps fabricators engineer material systems solutions designed to suit specific chemical and physical environments

Who we are

Darco Industries is an import/wholesale business established in July 2010 by James Dar BSc who has technical sales experience since 1980. Since 1998 his time has specifically been with high temperature textiles and advanced industrial insulation materials.

Our success is primarily based on fostering competent trust with customers and suppliers. We have long established relationships with the worlds leading glass textile suppliers and core clients spread around Australia and overseas.

Darco Industries strive to improve our product range and services by supplying our customers with cost effective, engineered material system solutions

We understand the properties of our materials and suitability for the various applications where physical and chemical factors like temperature, abrasion, vibration, tensile strength, thermal conductivity, UV, fire ratings, sound absorption, chemical resistance, liquid and vapour permeability etc.

**“Your Problem,
Our Solution”**



The Darco Advantage

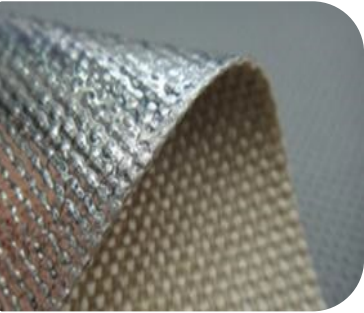
Darco Industries is Australia’s leading importer and wholesaler of the widest range of specialist thermal insulation and fire protection glass textiles and accessories. Based in Perth, Western Australia, our customer focused staff has a proven record of being very responsive to customer needs and special testing demands. Our client base is worldwide and consists of the automotive OEM’s, heavy-duty engine OEM’s, industrial suppliers and hydraulic companies.

Darco is a leading provider of quality and thermal insulation solutions serving a wide range of industries around the world. From industrial to commercial, aeronautical to marine, Darco Industries are dedicated to adding value to fabricators products and processes, supporting their success in the global marketplace. Darco has the expertise, resources and global reach to support its clients through its extensive network of manufacturers and suppliers in over 100 countries around the world.



For more information please visit Darco Industries Perth, Australia

Contact us at: sales2@darco.com.au or call: +61 8 9418 8826



High temperature fabrics play a big part in Industry and we carry a large range of fabrics to suit all situations. The Darco team is trained and understands the technical capabilities of each of its products and will guide you in terms of the suitability of a particular recommended product for its application in terms of technical (physical, chemical, UV, heat resistance, permeability, etc.) properties

High Temperature Glass Textile Range

Coated Fabrics

- Teflon Coated Fabrics
- Silicone Coated Fabrics
- PU Coated Fabrics
- Graphite Coated Fabrics
- Wire Reinforced Fabrics
- Neoprene Coated Fabrics
- Vermiculite Coated fabrics

Heat Treated Fabrics

- Acrylic Coated Fabrics
- Re-wettable Fabrics
- Wire Reinforced Fabrics

Laminated Fabrics

- Aluminium Foil Faced Fabrics
- Mylar Faced Fabrics
- Stainless Steel Faced Fabrics

Silica Fabrics

- Vermiculite Coated Silica Fabrics
- PU Coated Silica Fabrics

Ceramic Fibre Fabric

- High quality ceramic fibre and
- Reinforced with fibreglass filaments and Stainless Steel wires

Needle mat

- Silica Needle mat
- E Glass Needle mat

Loomstate

- Loomstate Scrim
- Loomstate Fabric

Fiberglass Scrim

- High tensile strength
- High temperature
- Corrosion resistant • Reinforcement material



**"Widest range of thermal
insulation glass textiles in
Australia"**

Datasheets are available on all our products

For more information please visit [Fiberglass and Silica Fabrics Australia \(darco.com.au\)](http://Fiberglass and Silica Fabrics Australia (darco.com.au))

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Darco welding protection products are made from premium materials including fibreglass woven fabrics, leather, PVC, Silica and many more. Our range of blankets and screens are suitable for welding, grinding spark and spatter protection for equipment, component and personal protection

What is a Welding Blanket?

A welding blanket is a piece of safety equipment designed to protect equipment and the welder while welding. A welding blanket typically consists of a layer of flexible protective material containing unexpanded vermiculite and inorganic heat resistant fibrous material.

When contacted by spatter of molten metal during a welding process the material protects the surrounding areas by maintaining the structural integrity of the blanket. Many modern welding blankets are made of flame retardant fibreglass and can stand working temperatures ranging from 150°C to 1,400°C

Leather Blanket Range

Darco **DLWB22**, **DLWB32** and **DLWB33** are made from premium selected large piece, chrome split leather. This means less stitching making it more durable. These blankets are *soft cowhide* making it easy to use when protecting objects from weld spatter. They also come with **non-corrosive eyelets**

Applications

- Workshops
- Site work
- Panel protection
- Protection against grinding sparks and light to medium welding spatter

Sizes

DLWB22 Chrome Leather Welding Blanket with Eyelets 1.8m x 1.8m

DLWB32 Chrome Leather Welding Blanket with Eyelets 3m x 2m

DLWB33 Chrome Leather Welding Blanket with Eyelets 3m x 3m

For more information please visit [Darco Leather Welding Blankets](#)

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Darco **Vermiculite** coated welding blankets are made from E-glass fabric woven from high quality texturized yarn, and then coated with vermiculite on both sides. Vermiculite is a natural mineral which provides a natural inorganic finish to fiberglass

Important Details

Vermiculite coating provides short temperature resistance of 1000°C and increased continuous temperature resistance up to 800°C. Vermiculite coated fiberglass cloths increase the

products abrasion resistance and adds to its ability to withstand direct flame, it also provide a dust suppression coating which allows for a safer work environment. **(Blankets have eyelets)**

Roll form available

Applications

- Welding blankets
- Fire blankets
- Fire proof curtains
- Heat shields, etc.

Sizes

- **DEWBV21**
DEF1200V 1.8m x 0.9m
- **DEWBV22**
DEF1200V 1.8m x 1.8m



Specification:

WEAVE		Plain	Testing Method
YARN	WARP	ET9 980	ISO 4602
texturized	WEFT	ET9 1290	ISO 4602
WIDTH		100 cm (Stock size)	DIN EN 1773
		150 cm (On request)	DIN EN 1773
CLOTH WEIGHT		1150g/m ²	DIN EN 12127
CLOTH THICKNESS		1.5mm	DIN EN ISO 5084
COAT STYLE		coated with vermiculite both sides	-
TOTAL WEIGHT		1200 g/m ²	DIN EN 12127
TOTAL THICKNESS		1.5mm	DIN EN ISO 5084
THREAD COUNT	WARP	6.1per cm	DIN EN 1049-2
	WEFT	4.1per cm	DIN EN 1049-2
TENSILE STRENGTH(min)	WARP	3500N/5cm	EN ISO 13934-1
	WEFT	3000N/5cm	EN ISO 13934-1
SERVICE TEMPERATURE		800°C intermittent to 1000°C	-



For more information please visit [Darco Vermiculite Welding Blankets](https://www.darco.com.au/products/vermiculite-welding-blankets)

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Darco **Heat Treated** Fiberglass Welding Blankets are an economical option for welding blankets often used for applications involving heat treating and as a high temperature safety barrier. Heat Treated Fiberglass Welding Blankets can also be used as an egress blanket, welding curtains, and light duty applications

Heat Treated (Caramelized)

Darco **Heat treated** blankets are made from E glass fabric woven from high quality texturized yarns, and then passed through a high temperature oven in order to burn off the sizing and other organic elements in the cloth. After this heat treatment, fiberglass cloth will change to a brown colour and it will be smoke-free during the application

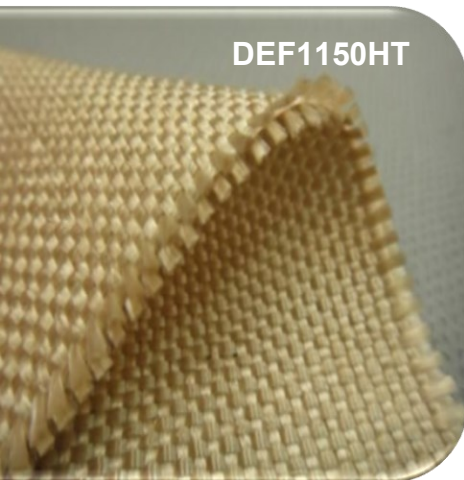
Application

There's no difference from fiberglass Loomstate in respects to operating temperature, however unlike Loomstate the fabric can be used in environments where smoke is not permissible

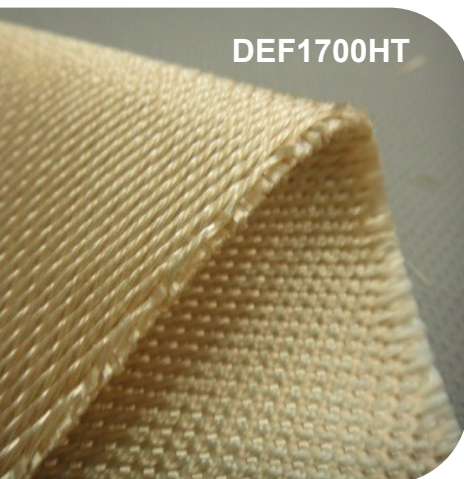
Roll form available

Specification:

1	WEAVE		12HS Satin	Testing Method
2	YARN	WARP	EC9 136 1x4	ISO 4602
	filament	WEFT	EC9 136 1x4	ISO 4602
3	WIDTH		100 cm	DIN EN 1773
			120 cm	DIN EN 1773
			150 cm	DIN EN 1773
			180 cm	DIN EN 1773
4	CLOTH WEIGHT		1700 g/m ²	DIN EN 12127
5	TREATMENT		Caramelised(heat treated)	-
6	THICKNESS		1.7mm	DIN EN ISO 5084
7	THREAD COUNT	WARP	18 per cm	DIN EN 1049-2
		WEFT	13 per cm	DIN EN 1049-2
8	TENSILE STRENGTH(min)	WARP	10,000 N/5cm	EN ISO 13934-1
		WEFT	9,000 N/5cm	EN ISO 13934-1
9	SERVICE TEMPERATURE		Up to 500°C	-



DEF1150HT



DEF1700HT

For more information please visit [Darco Heat Treated Welding Blankets](#)

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Darco **Neoprene/Black Acrylic** coated blankets will protect from cutting sparks and medium weld splatter and can be used where oil, vapours, grease and acidic liquids are present. As with the other two types, it will not deteriorate over time from weathering or flexing

Important Details

- Heavyweight textured E-glass fabric
 - For use in heavy duty welding
 - Weldstop® coated for abrasion resistance, thermal resistance and fibre encapsulation
 - Weight: 1100gsm, Thickness: 1.8mm
 - Continuous service temperature: 550°C
 - Short term temperature: 1500°C
- Roll form available**



Insulation Guide

1	WEAVE		Plain	Testing Method
2	YARN	WARP	ET9 980	ISO 4602
	texturized	WEFT	ET9 1290	ISO 4602
3	WIDTH		100 cm	DIN EN 1773
			150 cm	DIN EN 1773
4	CLOTH WEIGHT		1600g/m ²	DIN EN 12127
5	COATED		NEOPRENE/ BLACK ACRYLIC	-
6	TOTAL THICKNESS		1.5mm	DIN EN ISO 5084
7	THREAD COUNT	WARP	6.1per cm	DIN EN 1049-2
		WEFT	4.1per cm	DIN EN 1049-2
8	TENSILE STRENGTH(min)	WARP	3600N/5cm	EN ISO 13934-1
		WEFT	4030N/5cm	EN ISO 13934-1
9	SERVICE TEMPERATURE		Up to 550°C	-



For more information please visit [Darco Neoprene Welding Blankets](https://www.darco.com.au)

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Darco woven **Silica** glass fabrics are woven continuous filament amorphous silica (non-respirable fibre yarns). Silica fabrics are mainly used above 550°C (above E glass rating) for all high temperature applications where the need for thermal insulation and/or protection is required

Important Details

Hygienically safe and provide a viable alternative to asbestos, fibreglass, refractory ceramic fibres where safety performance and cost effectiveness are the key issues.

Most popular **CV** (Gold) weavelock coated for best abrasion resistance, and weave stability when cut - that is, reduce fraying

Applications

- Welding blankets
- Face curtains
- Turbine covers
- Stress relieving insulation
- Molten metal filtration
- Cable tray insulation
- Steam pipe lagging

Roll form available



Specification	DSF1200CV
Weight	1100 +- 100 g/m ²
Thickness	1.3mm +- 10%
Width (935 mm to 2000 mm)	935mm & 1000 mm
Roll Length	50 metres
Service Temperature – Constant	1200°C
Short term exposure	1400°C
Melting Temperature	1700°C
Lineal Shrinkage @ 700°C	5.0%
L.O.I. %	7-12% (HT version , 4%)
Weave	Satin 12/7
Physiologically Harmless refer MSDS	Yes
Combustibility	Non combustible
Tensile strength (Weft) ISO 4606	1400 N
Tensile strength (Warp) ISO 4606	1800 N
Silica (SiO ₂) Content	99.0% +/- 1%
Na ₂ O Content	< 0.7%
Coating	C V - Weavelock (Gold) V- Vermiculite (Brown/Gold)

For more information please visit [Darco Silica Welding Blankets](https://www.darco.com.au/products/silica-welding-blankets)

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Darco **Welding Accessories** include screens and curtains that provide a protective barrier between the welding area and general workplace where workers may be exposed to welding hazards, Aprons, Gloves, Kneeling mats and many more - *Adheres to European standard BS EN 1598:2011*

Welding Screens

To provide optical protection when visibility is required for the casual viewer or someone passing by. It is formulated to disperse Arc image and allow light back into work area. It can be fitted on the metal frame or hung on orbit to form a flexible welding screen

- Transparent flame-retardant top grade Vinyl
- Chemical and UV absorber – PVC (Red or Green)
- Welded plastic eyelets.
- **Adheres to standard BS EN 1598:2011**



Specification:

Technical data	
Thickness	0.4mm
Sizes	6ft x 6ft 6ft x 8ft 6ft x 9ft
Colours	Red Green Amber

Welding Aprons

Darco welding aprons are made from High Grade Chrome split leather and equipped with a webbed belt. Constructed from two pieces of leather sewn together with Kevlar thread. Protects against welding spatter and radiant heat



For more information please visit [Welding Screens and Frames](#)

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Darco leather welding gloves, are made from Genuine Natural, Cow Grain Leather.

Darco **WELDSHIELD DLWG/R/GP** leather welding glove, is a general purpose durable yet economic hot work welding glove used in various Industries.



- Outmost layer is constructed using red premium soft shoulder split natural cowhide leather.
- Inner layer is lined with durable, breathable, sweat absorbent allergy free denim.
- Kevlar stitched to withstand high temperatures for longer periods.
- Lined and welted.
- 406mm (16") long for forearm protection.
- One size fits all
- Rated to AS/NZS

Darco **WELDSHIELD DLWG/G/LP** are a left handed pair for high performance welding glove suitable for use in various industries.



- Two left hand gloves per pair; avoids costly waste of less commonly used right hand glove.
- Premium quality natural cowhide split leather for economy and comfort.
- Reinforced from index finger, palm through to wrist for added durability.
- Inner layer lined with durable, breathable, sweat absorbent allergy free denim.
- Kevlar stitched to withstand high temperatures for longer periods.
- Lined and welted.
- 406mm (16") long for forearm protection.
- Rated to AS/NZS

Darco **WELDSHIELD DLWG/B/HP** are a higher performance reinforced welding glove suitable for use in various industries for extra durability and hand protection.



- Outmost layer is constructed using premium genuine soft shoulder split natural cowhide leather.
- Reinforced thumb, palm, wrist and knuckles for added durability.
- Inner layer lined with durable, breathable, sweat absorbent allergy free denim.
- Double stitched with Kevlar thread to withstand higher temperatures for longer periods
- Lined and welted.
- 406mm (16") long for forearm protection.
- Rated to AS/NZS

For more information please see [Darco Leather Glove Range](#)

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Darco leather Riggers Gloves

Darco Rigger gloves are reinforced gloves, with a leather palm and a fabric back and a leather strap over the knuckles. They are designed to be used for rigging and cable pulling, they are suitable for a vast array of different tasks.



DLRG/W/S	White/Natural Cow Grain Rigger Gloves SMALL
DLRG/W/M	White/Natural Cow Grain Rigger Gloves MEDIUM
DLRG/W/L	White/Natural Cow Grain Rigger Gloves LARGE
DLRG/W/XL	White/Natural Cow Grain Rigger Gloves X- LARGE
DLRG/W/2XL	White/Natural Cow Grain Rigger Gloves XX- LARGE
DLRG/W/3XL	White/Natural Cow Grain Rigger Gloves XXX- LARGE

For more information please see [Darco Leather Glove Range](#)

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