

## Goldweld Teflon® (PTFE) coated welding fabric



Goldweld is a premium grade Teflon® (PTFE) coated welding fabric used in the PVC-U window, door and conservatory fabrication industry.

Goldweld is available in standard non-adhesive and adhesive formats, as well in pre-cut shapes or bands to suit your specific welding machine.

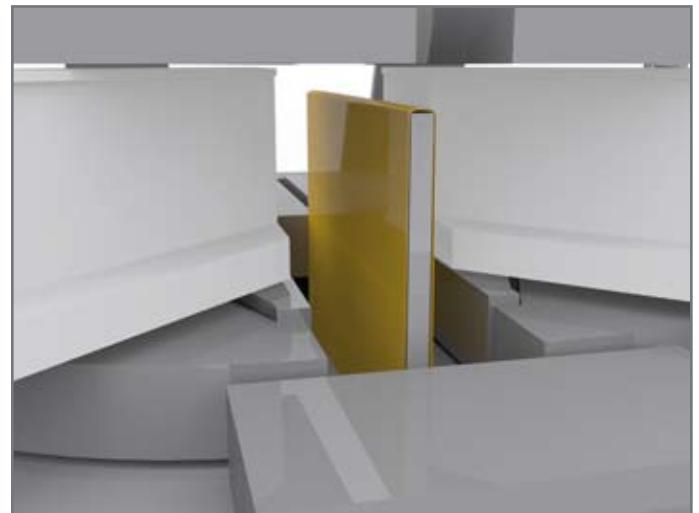
Welding fabrics are used to cover the heated platens on welding machines. Goldweld has been developed specifically for this process and helps to maintain optimum platen temperatures up to +260°C.

Below is a typical welding platen covered with Goldweld, the angle edges of the PVC-U profiles are made molten, pushed together and held in situ whilst the plastic cools - thus forming the corner of the window frame.

By using a high quality product such as Goldweld and changing the fabric on a regular basis (as per the machine manufacturer's instructions) you can ensure a strong, clean weld resulting in a superior finished product.

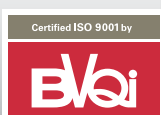
The swift and problem-free throughput of frames is essential to the efficiency of the manufacturing process. If PVC-U sticks to the welding machines, removing this can be a time consuming and troublesome activity, often resulting in excessive down-time costing your company time and money.

In the ever-growing competitive markets of PVC-U fabrication, prices and margins have never been under so much pressure - the correct use of high quality welding fabric helps to maximise cost efficiency, improve the class of the weld, therefore resulting in a superior end product.












Goldweld is manufactured by Biscor Ltd. The company has been producing Teflon® coated fabric for over twenty-five years and supplying the product to many different industries.

Biscor's expertise and experience in specialist coatings is unrivalled in the United Kingdom and the organisation is always developing new products as part of their continual commitment to excellence.



Teflon® is a registered trademark of DuPont™.

## Material properties of Goldweld:

-  Heat resistant to extremes of +260°C
-  Chemically inert - affected by only a few rare substances at very high temperatures
-  High release from adhesive (sticky) materials
-  Easy cleaning
-  Chemical corrosion and moisture resistant
-  Ultra-violet, infra-red, microwave and radio frequency resistant
-  Non-combustible, self-extinguishing
-  Low thermal expansion: <5%
-  Lightweight and energy efficient for economical operation



## Technical data for Goldweld and Goldweld ADH:

Reference:	Goldweld			
Product properties	Test standard		Values	Units
Coating %			69.4	
Coated weight	ASTM D751-00	± 5%	350	g/m <sup>2</sup>
Total thickness	ASTM D751-00		0.17	mm
Breaking strength	ASTM D751-00	warp	200	N/cm
		weft	150	N/cm
Tearing strength	ASTM D751-00	warp	8	N
		weft	8	N
Surface texture	Smooth non-stick			
Glass style properties	Test standard		Values	Units
Glass style reference			2116	
Filament Diameter	DIN EN12654	warp	EC7	micron
		weft	EC7	micron
Yarn count	DIN EN 12654	warp	22	Tex
		weft	22	Tex
Fabric construction	DIN EN 1049	warp	24	Ends/cm
		weft	23	Picks/cm
Weave pattern	DIN ISO 9354		Plain	
Fabric thickness	DIN ISO 4603/E		0.09	mm
Base weight	DIN EN 12127	± 5%	107	g/m <sup>2</sup>

Reference:	Goldweld ADH			
Product properties	Test standard		Values	Units
Coating %			69.4	
Weight without adhesive	ASTM D751-00	± 5%	350	g/m <sup>2</sup>
Weight including liner	ASTM D751-00		495	g/m <sup>2</sup>
Thickness without adhesive	ASTM D751-00		0.17	mm
Thickness without liner	ASTM D751-00		0.22	mm
Breaking strength	ASTM D751-00	warp	200	N/cm
		weft	150	N/cm
Tearing strength	ASTM D751-00	warp	8	N
		weft	8	N
Surface texture	Smooth non-stick			
Adhesive type		Silicone PSA		
Adhesion	ASTM D751-00		4	N/cm <sup>2</sup>
Adhesive temperature resistance			-73 to +240	°C

**Please note** - glass style for Goldweld ADH is the same as standard Goldweld - see table to the left.

Values shown are typical and are subject to change without notice. Before using, the user should determine the suitability of the product for its intended use and assumes all risk and liability in connection therewith. Specifications are subject to change without notice.

Weight tolerance g/m<sup>2</sup> ± 5% variation.  
Teflon® content ±2% variation.

**Availability of Goldweld:** various widths and sizes are available, please contact our sales team to make your enquiry, details are available upon request. [www.goldweld.co.uk](http://www.goldweld.co.uk) - 0800 731 148